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Surface-Mount and Through-Hole Schottky Rectifiers

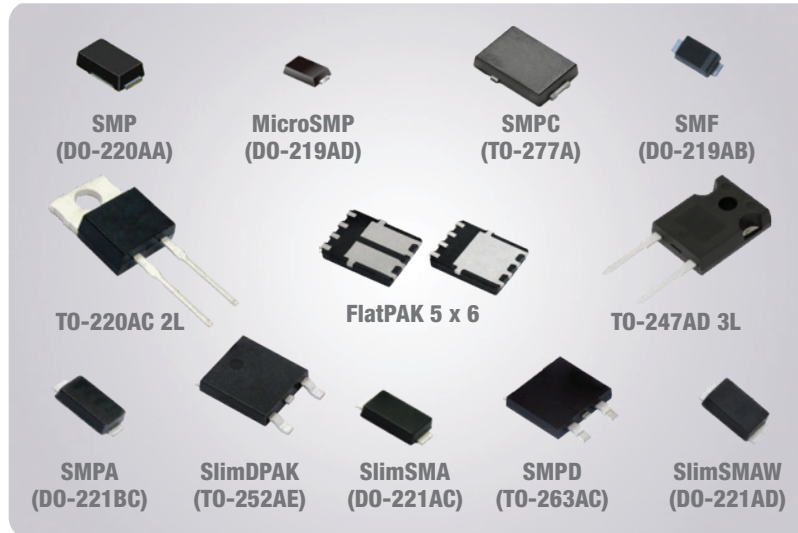


TABLE OF CONTENTS

Silicon Carbide Schottky (SiC) Rectifiers	2
TMBS® Trench MOS Barrier Schoktty Rectifiers	3
Planar Schottky Rectifiers	26



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Introduction

Silicon Carbide Schottky (SiC) Rectifiers

Vishay Semiconductors 650 V silicon carbide (SiC) Schottky diodes, featuring a merged PIN Schottky (MPS) design, are designed to increase the efficiency of high frequency applications by reducing switching losses, regardless of the effects from temperature variances — allowing the diodes to operate at higher temperatures.

The devices are intended for PFC and output rectification in flyback power supplies and LLC converters for servers, telecom equipment, UPS, and solar inverters, where they provide designers with increased flexibility in system optimization. The diodes are available with current ratings from 4 A to 40 A in the TO-220AC 2L and TO-247AD 3L packages, and offer high temperature operation to +175 °C.

The MPS design of the diodes shields the electric field from the Schottky barrier to reduce leakage currents, while increasing surge current capability via hole injection. Compared to pure silicon Schottky devices, the diodes handle the same level of current with only a slight increase in forward voltage drop, while demonstrating a significantly higher degree of ruggedness.

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 150 °C		Typ. I _R at V _R , T _J = 175 °C		Typ. Q _c at V _R , 1 MHz T _J = 25 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration
			(V)	(V)	(A)	(μA)	(V)	(nC)	(V)			
4	VS-C04ET07T	TO-220AC 2L	650	1.75	4	2.5	650	11	400	26	175	Single
6	VS-C06ET07T	TO-220AC 2L	650	1.7	6	4.4	650	17	400	39	175	Single
8	VS-C08ET07T	TO-220AC 2L	650	1.7	8	5	650	23	400	57	175	Single
10	VS-C10ET07T	TO-220AC 2L	650	1.75	10	5	650	28	400	68	175	Single
12	VS-C12ET07T	TO-220AC 2L	650	1.65	12	10	650	33	400	80	175	Single
16	VS-C16ET07T	TO-220AC 2L	650	1.65	16	10	650	45	400	120	175	Single
20	VS-C20ET07T	TO-220AC 2L	650	1.6	20	35	650	68	400	160	175	Single
2 x 8	VS-C16CP07L	TO-247AD 3L	650	1.7	8	5	650	21.5	400	53	175	Common cathode
2 x 10	VS-C20CP07L	TO-247AD 3L	650	1.75	10	10	650	29	400	64	175	Common cathode
2 x 20	VS-C40CP07L	TO-247AD 3L	650	1.55	20	35	650	68	400	160	175	Common cathode



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TMBS® Trench MOS Barrier Schoktty Rectifiers

Vishay’s patented Trench MOS Barrier Schottky (TMBS®) rectifiers are available with seven voltage ratings from 45 V to 200 V and several different package options to serve a wide range of system requirements. TMBS offers several advantages over planar Schottky rectifiers. As operating voltages move to 45 V and above, planar Schottky rectifiers tend to lose their advantage of fast switching speeds and low forward voltage drop to a substantial degree. The patented TMBS structure addresses this issue by diminishing minority carrier injections to the drift region, thus minimizing stored charges and improving switching speeds.

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
10	VBT1045BP-E3	D ² PAK (TO-263AB)	45	0.52	10	100	200	Single	No
	VBT1045BP-M3								
20	VBT2045BP-E3	D ² PAK (TO-263AB)	45	0.51	20	160	200	Single	No
	VBT2045BP-M3								
30	VBT3045BP-E3	D ² PAK (TO-263AB)	45	0.51	30	200	200	Single	No
	VBT3045BP-M3								
40	VBT4045BP-E3	D ² PAK (TO-263AB)	45	0.51	40	240	200	Single	No
	VBT4045BP-M3								
2 x 10	VBT2045C	D ² PAK (TO-263AB)	45	0.41	10	160	150	Common cathode	No
	VBT2045C-E3								
2 x 10	VBT2045CBP-E3	D ² PAK (TO-263AB)	45	0.41	10	160	200	Common cathode	No
	VBT2045CBP-M3								
2 x 15	VBT3045C	D ² PAK (TO-263AB)	45	0.39	15	200	150	Common cathode	No
	VBT3045C-E3								
2 x 15	VBT3045CBPE3	D ² PAK (TO-263AB)	45	0.39	15	200	200	Common cathode	No
	VBT3045CBP-M3								
2 x 20	VBT4045C-E3	D ² PAK (TO-263AB)	45	0.41	20	240	150	Common cathode	No
	VBT4045C-M3								
2 x 30	VBT6045C-E3	D ² PAK (TO-263AB)	45	0.47	30	320	150	Common cathode	No
	VBT6045C-M3								
2 x 30	VBT6045CBP	D ² PAK (TO-263AB)	45	0.47	30	320	200	Common cathode	No
2 x 5	VBT1045C-E3	D ² PAK (TO-263AB)	45	0.41	5	100	150	Common cathode	No
	VBT1045C-M3								
2 x 5	VBT1045CBP-E3	D ² PAK (TO-263AB)	45	0.41	5	100	200	Common cathode	No
	VBT1045CBP-M3								
2 x 7.5	VBT1545CBP	D ² PAK (TO-263AB)	45	0.49	7.5	100	200	Common cathode	No
7.5	VBT760	D ² PAK (TO-263AB)	60	0.6	7.5	100	150	Single	No
2 x 10	VBT2060C-E3	D ² PAK (TO-263AB)	60	0.52	10	150	150	Common cathode	No
	VBT2060C-M3								
2 x 10	VBT2060G	D ² PAK (TO-263AB)	60	0.63	10	100	150	Common cathode	No
2 x 15	VBT3060C	D ² PAK (TO-263AB)	60	0.57	15	170	150	Common cathode	No
2 x 15	VBT3060G	D ² PAK (TO-263AB)	60	0.61	15	150	150	Common cathode	No
2 x 15	VBT30L60C	D ² PAK (TO-263AB)	60	0.45	15	200	150	Common cathode	No
2 x 20	VBT4060C	D ² PAK (TO-263AB)	60	0.48	20	240	150	Common cathode	No



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 5	VBT1060C-E3	D ² PAK (TO-263AB)	60	0.5	5	100	150	Common cathode	No
	VBT1060C-M3								
10	VBT1080S-E3	D ² PAK (TO-263AB)	80	0.6	10	100	150	Single	No
	VBT1080S-M3								
20	VBT2080S-E3	D ² PAK (TO-263AB)	80	0.7	20	150	150	Single	No
	VBT2080S-M3								
30	VBT3080S-E3	D ² PAK (TO-263AB)	80	0.73	30	200	150	Single	No
	VBT3080S-M3								
2 x 10	VBT2080C-E3	D ² PAK (TO-263AB)	80	0.6	10	100	150	Common cathode	No
	VBT2080C-M3								
2 x 15	VBT3080C-E3	D ² PAK (TO-263AB)	80	0.65	15	150	150	Common cathode	No
	VBT3080C-M3								
2 x 5	VBT1080C-E3	D ² PAK (TO-263AB)	80	0.57	5	80	150	Common cathode	No
	VBT1080C-M3								
10	MBRB1090	D ² PAK (TO-263AB)	90	See datasheet curve	10	150	150	Single	No
2 x 10	MBRB2090CT	D ² PAK (TO-263AB)	90	See datasheet curve	10	150	150	Common cathode	No
10	MBRB10100	D ² PAK (TO-263AB)	100	See datasheet curve	10	150	150	Single	No
20	VB20100S-E3	D ² PAK (TO-263AB)	100	0.69	20	250	150	Single	No
	VB20100S-M3								
20	VB20100SG	D ² PAK (TO-263AB)	100	0.75	20	150	150	Single	No
30	VB30100S-E3	D ² PAK (TO-263AB)	100	0.69	30	250	150	Single	No
	VB30100S-M3								
30	VB30100SG-E3	D ² PAK (TO-263AB)	100	0.76	30	250	150	Single	No
	VB30100SG-M3								
30	VB30100S-E3	D ² PAK (TO-263AB)	100	0.69	30	250	150	Single	No
	VB30100S-M3								
2 x 10	MBRB20100CT	D ² PAK (TO-263AB)	100	See datasheet curve	10	150	150	Common cathode	No
2 x 10	VB20100C	D ² PAK (TO-263AB)	100	0.58	10	150	150	Common cathode	No
	VB20100C-E3								
2 x 15	VB30100C	D ² PAK (TO-263AB)	100	0.63	15	160	150	Common cathode	No
	VB30100C-E3								
2 x 20	VB40100C	D ² PAK (TO-263AB)	100	0.61	20	250	150	Common cathode	No
	VB40100C-E3								
2 x 20	VB40100G	D ² PAK (TO-263AB)	100	0.67	20	200	150	Common cathode	No



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RECTIFIERS

Schottky Rectifiers

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			(V)	(V)	(A)				
2 x 30	VB60100C	D ² PAK (TO-263AB)	100	0.66	30	320	150	Common cathode	No
	VB60100C-E3								
20	VB20120S-E3	D ² PAK (TO-263AB)	120	0.73	20	200	150	Single	No
	VB20120S-M3								
20	VB20120SG-E3	D ² PAK (TO-263AB)	120	0.78	20	150	150	Single	No
	VB20120SG-M3								
30	VB30120S	D ² PAK (TO-263AB)	120	0.74	30	300	150	Single	No
	VB30120S-E3								
30	VB30120SG	D ² PAK (TO-263AB)	120	0.81	30	220	150	Single	No
2 x 10	VB20120C-E3	D ² PAK (TO-263AB)	120	0.64	10	120	150	Common cathode	No
	VB20120C-M3								
2 x 10	VB20M120C	D ² PAK (TO-263AB)	120	0.64	10	120	150	Common cathode	No
2 x 15	VB30120C	D ² PAK (TO-263AB)	120	0.68	15	150	150	Common cathode	No
2 x 15	VB30M120C	D ² PAK (TO-263AB)	120	0.68	15	150	150	Common cathode	No
2 x 20	VB40120C	D ² PAK (TO-263AB)	120	0.63	20	250	150	Common cathode	No
2 x 20	VB40M120C	D ² PAK (TO-263AB)	120	0.64	20	250	150	Common cathode	No
2 x 30	VB60120C	D ² PAK (TO-263AB)	120	0.71	30	300	150	Common cathode	No
10	VB10150S-E3	D ² PAK (TO-263AB)	150	0.69	10	120	150	Single	No
	VB10150S-M3								
20	VB20150S-E3	D ² PAK (TO-263AB)	150	0.75	20	160	150	Single	No
	VB20150S-M3								
20	VB20150SG	D ² PAK (TO-263AB)	150	0.77	20	140	150	Single	No
2 x 10	VB20150C-E3	D ² PAK (TO-263AB)	150	0.69	10	120	150	Common cathode	No
	VB20150C-M3								
2 x 15	VB30150C	D ² PAK (TO-263AB)	150	0.71	15	140	150	Common cathode	No
	VB30150C-M3								
2 x 20	VB40150C	D ² PAK (TO-263AB)	150	0.75	20	160	150	Common cathode	No
	VB40150C-E3								
2 x 5	VB10150C-E3	D ² PAK (TO-263AB)	150	0.69	5	60	150	Common cathode	No
	VB10150C-M3								
2 x 20	VB40170C	D ² PAK (TO-263AB)	170	0.68	20	200	175	Common cathode	No
2 x 30	VB60170G	D ² PAK (TO-263AB)	170	0.72	30	210	175	Common cathode	No
2 x 5	VB10170C	D ² PAK (TO-263AB)	170	0.65	5	80	175	Common cathode	No
5	VBT5200	D ² PAK (TO-263AB)	200	0.65	5	80	150	Single	No
5	VBT5202	D ² PAK (TO-263AB)	200	0.65	5	100	175	Single	No
2 x 10	VB20200C	D ² PAK (TO-263AB)	200	0.68	10	120	150	Common cathode	No
2 x 10	VB20200G	D ² PAK (TO-263AB)	200	0.71	10	110	150	Common cathode	No
2 x 10	VB20202C	D ² PAK (TO-263AB)	200	0.68	10	150	175	Common cathode	No
2 x 10	VB20202G	D ² PAK (TO-263AB)	200	0.71	10	130	175	Common cathode	No
2 x 15	VB30200C	D ² PAK (TO-263AB)	200	0.648	15	250	150	Common cathode	No



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 15	VB30202C	D ² PAK (TO-263AB)	200	0.65	15	260	175	Common cathode	No
2 x 5	VBT10202C	D ² PAK (TO-263AB)	200	0.65	5	100	175	Common cathode	No
2 x 5	VBT10200C	D ² PAK (TO-263AB)	200	0.65	5	80	150	Common cathode	No
20	V20KL45	FlatPAK 5 x 6	45	0.44	20	220	150	Single	Yes
20	V20KM45	FlatPAK 5 x 6	45	0.46	20	220	165	Single	Yes
30	V30K45	FlatPAK 5 x 6	45	0.46	30	240	150	Single	Yes
30	V30KL45	FlatPAK 5 x 6	45	0.43	30	240	150	Single	Yes
30	V30KM45	FlatPAK 5 x 6	45	0.48	30	240	165	Single	Yes
2 x 3	V6KL45DU	FlatPAK 5 x 6	45	0.36	3	80	150	Separated cathode	Yes
2 x 3	V6KM45DU	FlatPAK 5 x 6	45	0.44	3	80	175	Separated cathode	Yes
2 x 5	V10KL45DU	FlatPAK 5 x 6	45	0.39	5	100	150	Separated cathode	Yes
2 x 5	V10KM45DU	FlatPAK 5 x 6	45	0.44	5	100	175	Separated cathode	Yes
2 x 5	V10KL45C	FlatPAK 5 x 6	45	0.35	5	100	150	Common cathode	Yes
2 x 5	V10KM45C	FlatPAK 5 x 6	45	0.42	5	100	175	Common cathode	Yes
2 x 7.5	V15KL45C	FlatPAK 5 x 6	45	0.36	7.5	140	150	Common cathode	Yes
2 x 7.5	V15KM45C	FlatPAK 5 x 6	45	0.42	7.5	140	175	Common cathode	Yes
20	V20K60	FlatPAK 5 x 6	60	0.45	20	220	150	Single	Yes
20	V20KM60	FlatPAK 5 x 6	60	0.52	20	220	165	Single	Yes
30	V30K60	FlatPAK 5 x 6	60	0.51	30	240	150	Single	Yes
30	V30KM60	FlatPAK 5 x 6	60	0.55	30	240	165	Single	Yes
2 x 4	V8KM60DU	FlatPAK 5 x 6	60	0.5	4	80	175	Separated cathode	Yes
2 x 5	V10K60DU	FlatPAK 5 x 6	60	0.48	5	100	150	Separated cathode	Yes
2 x 5	V10K60C	FlatPAK 5 x 6	60	0.44	5	100	150	Common cathode	Yes
2 x 5	V10KM60C	FlatPAK 5 x 6	60	0.47	5	100	175	Common cathode	Yes
2 x 7.5	V15K60C	FlatPAK 5 x 6	60	0.44	7.5	140	150	Common cathode	Yes
2 x 7.5	V15KM60C	FlatPAK 5 x 6	60	0.47	7.5	140	175	Common cathode	Yes
20	V20KM100	FlatPAK 5 x 6	100	0.61	20	220	165	Single	Yes
30	V30KM100	FlatPAK 5 x 6	100	0.62	30	240	165	Single	Yes
2 x 3	V6K100DU	FlatPAK 5 x 6	100	0.55	3	80	150	Separated cathode	Yes
2 x 5	V10K100DU	FlatPAK 5 x 6	100	0.59	5	100	150	Separated cathode	Yes
2 x 5	V10K100C	FlatPAK 5 x 6	100	0.55	5	100	150	Common cathode	Yes
2 x 5	V10KM100C	FlatPAK 5 x 6	100	0.56	5	100	175	Common cathode	Yes
2 x 7.5	V15K100C	FlatPAK 5 x 6	100	0.55	7.5	140	150	Common cathode	Yes
2 x 7.5	V15KM100C	FlatPAK 5 x 6	100	0.56	7.5	140	175	Common cathode	Yes
20	V20KM120	FlatPAK 5 x 6	120	0.64	20	220	165	Single	Yes
30	V30KM120	FlatPAK 5 x 6	120	0.67	30	240	165	Single	Yes
2 x 3	V6KM120DU	FlatPAK 5 x 6	120	0.6	3	80	175	Separated cathode	Yes
2 x 5	V10KM120DU	FlatPAK 5 x 6	120	0.62	5	100	175	Separated cathode	Yes
2 x 5	V10K120C	FlatPAK 5 x 6	120	0.59	5	100	150	Common cathode	Yes
2 x 5	V10KM120C	FlatPAK 5 x 6	120	0.6	5	100	175	Common cathode	Yes



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 7.5	V15K120C	FlatPAK 5 x 6	120	0.6	7.5	140	150	Common cathode	Yes
2 x 7.5	V15KM120C	FlatPAK 5 x 6	120	0.6	7.5	140	175	Common cathode	Yes
20	V20K150	FlatPAK 5 x 6	150	0.69	20	220	150	Single	Yes
30	V30K150	FlatPAK 5 x 6	150	0.68	30	240	150	Single	Yes
2 x 5	V10K150C	FlatPAK 5 x 6	150	0.63	5	100	150	Common cathode	Yes
2 x 5	V10KM150C	FlatPAK 5 x 6	150	0.63	5	100	175	Common cathode	Yes
2 x 7.5	V15K150C	FlatPAK 5 x 6	150	0.63	7.5	140	150	Common cathode	Yes
2 x 7.5	V15KM150C	FlatPAK 5 x 6	150	0.63	7.5	140	175	Common cathode	Yes
20	V20K170	FlatPAK 5 x 6	170	0.72	20	220	165	Single	Yes
30	V30K170	FlatPAK 5 x 6	170	0.72	30	240	165	Single	Yes
2 x 5	V10K170C	FlatPAK 5 x 6	170	0.66	5	90	150	Common cathode	Yes
2 x 7.5	V15K170C	FlatPAK 5 x 6	170	0.66	7.5	130	150	Common cathode	Yes
20	V20K202	FlatPAK 5 x 6	200	0.72	20	220	165	Single	Yes
30	V30K202	FlatPAK 5 x 6	200	0.72	30	240	165	Single	Yes
2 x 4	V8K202DU	FlatPAK 5 x 6	200	0.72	4	60	150	Separated cathode	Yes
2 x 5	V10K202DU	FlatPAK 5 x 6	200	0.68	5	80	150	Separated cathode	Yes
2 x 5	V10K202C	FlatPAK 5 x 6	200	0.66	5	90	150	Common cathode	Yes
2 x 7.5	V15K202C	FlatPAK 5 x 6	200	0.66	7.5	130	150	Common cathode	Yes
2 x 10	VFT2045C	ITO-220AB	45	0.41	10	160	150	Common cathode	No
2 x 10	VFT2045CBP	ITO-220AB	45	0.41	10	160	200	Common cathode	No
2 x 15	VFT3045C	ITO-220AB	45	0.39	15	200	150	Common cathode	No
2 x 15	VFT3045CBP	ITO-220AB	45	0.39	15	200	200	Common cathode	No
2 x 20	VFT4045C	ITO-220AB	45	0.41	20	240	150	Common cathode	No
2 x 30	VFT6045C	ITO-220AB	45	0.47	30	320	150	Common cathode	No
2 x 30	VFT6045CBP	ITO-220AB	45	0.47	30	320	200	Common cathode	No
2 x 5	VFT1045C	ITO-220AB	45	0.41	5	100	150	Common cathode	No
2 x 5	VFT1045CBP	ITO-220AB	45	0.41	5	100	200	Common cathode	No
2 x 10	VFT2060C	ITO-220AB	60	0.52	10	150	150	Common cathode	No
	VFT2060C-E3								
2 x 10	VFT2060G	ITO-220AB	60	0.63	10	100	150	Common cathode	No
	VFT2060G-E3								
2 x 15	VFT3060C	ITO-220AB	60	0.57	15	170	150	Common cathode	No
	VFT3060C-E3								
2 x 15	VFT3060G	ITO-220AB	60	0.61	15	150	150	Common cathode	No
	VFT3060G-E3								
2 x 15	VFT30L60C	ITO-220AB	60	0.45	15	200	150	Common cathode	No
2 x 20	VFT4060C	ITO-220AB	60	0.48	20	240	150	Common cathode	No
	VFT4060C-E3								
2 x 5	VFT1060C	ITO-220AB	60	0.5	5	100	150	Common cathode	No
	VFT1060C-E3								



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RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
10	VFT1080S	ITO-220AB	80	0.6	10	100	150	Single	No
	VFT1080S-E3								
20	VFT2080S	ITO-220AB	80	0.7	20	150	150	Single	No
	VFT2080S-E3								
30	VFT3080S-E3	ITO-220AB	80	0.73	30	200	150	Single	No
	VFT3080S-M3								
2 x 10	VFT2080C	ITO-220AB	80	0.6	10	100	150	Common cathode	No
	VFT2080C-E3								
2 x 15	VFT3080C	ITO-220AB	80	0.65	15	150	150	Common cathode	No
	VFT3080C-E3								
2 x 5	VFT1080C	ITO-220AB	80	0.57	5	80	150	Common cathode	No
	VFT1080C-E3								
2 x 10	MBRF2090CT	ITO-220AB	90	See datasheet curve	10	150	150	Common cathode	No
2 x 5	MBRF1090CT	ITO-220AB	90	See datasheet curve	5	120	150	Common cathode	No
20	VF20100S-E3	ITO-220AB	100	0.69	20	250	150	Single	No
	VF20100S-M3								
20	VF20100SG	ITO-220AB	100	0.75	20	150	150	Single	No
30	VF30100S	ITO-220AB	100	0.69	30	250	150	Single	No
	VF30100S-E3								
30	VF30100SG	ITO-220AB	100	0.76	30	250	150	Single	No
2 x 10	MBRF20100CT	ITO-220AB	100	See datasheet curve	10	150	150	Common cathode	No
2 x 10	VF20100C	ITO-220AB	100	0.58	10	150	150	Common cathode	No
	VF20100C-E3								
2 x 15	VF30100C-E3	ITO-220AB	100	0.63	15	160	150	Common cathode	No
	VF30100C-M3								
2 x 20	VF40100C	ITO-220AB	100	0.61	20	250	150	Common cathode	No
	VF40100C-E3								
2 x 20	VF40100G	ITO-220AB	100	0.67	20	200	150	Common cathode	No
	VF40100G-E3								
2 x 30	VF60100C	ITO-220AB	100	0.66	30	320	150	Common cathode	No
2 x 5	MBRF10100CT	ITO-220AB	100	See datasheet curve	5	120	150	Common cathode	No
20	VF20120S	ITO-220AB	120	0.73	20	200	150	Single	No
	VF20120S-E3								
20	VF20120SG	ITO-220AB	120	0.78	20	150	150	Single	No
	VF20120SG-E3								



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
30	VF30120S	ITO-220AB	120	0.74	30	300	150	Single	No
	VF30120S-E3								
30	VF30120SG	ITO-220AB	120	0.81	30	220	150	Single	No
	VF30120SG-E3								
2 x 10	VF20120C	ITO-220AB	120	0.64	10	120	150	Common cathode	No
	VF20120C-E3								
2 x 10	VF20M120C	ITO-220AB	120	0.64	10	120	175	Common cathode	No
2 x 15	VF30120C	ITO-220AB	120	0.68	15	150	150	Common cathode	No
	VF30120C-E3								
2 x 15	VF30M120C	ITO-220AB	120	0.68	15	150	175	Common cathode	No
2 x 20	VF40120C	ITO-220AB	120	0.63	20	250	150	Common cathode	No
2 x 20	VF40M120C	ITO-220AB	120	0.64	20	250	175	Common cathode	No
2 x 30	VF60120C	ITO-220AB	120	0.71	30	300	150	Common cathode	No
10	VF10150S	ITO-220AB	150	0.69	10	120	150	Single	No
	VF10150S-E3								
20	VF20150S	ITO-220AB	150	0.75	20	160	150	Single	No
	VF20150S-E3								
20	VF20150SG	ITO-220AB	150	0.77	20	140	150	Single	No
	VF20150SG-E3								
2 x 10	VF20150C	ITO-220AB	150	0.69	10	120	150	Common cathode	No
	VF20150C-E3								
2 x 15	VF30150C	ITO-220AB	150	0.71	15	140	150	Common cathode	No
	VF30150C-M3								
2 x 20	VF40150C	ITO-220AB	150	0.75	20	160	150	Common cathode	No
	VF40150C-E3								
2 x 5	VF10150C	ITO-220AB	150	0.69	5	60	150	Common cathode	No
	VF10150C-E3								
2 x 10	VF20200C	ITO-220AB	200	0.68	10	120	150	Common cathode	No
2 x 10	VF20200G	ITO-220AB	200	0.71	10	110	150	Common cathode	No
2 x 10	VF20202C	ITO-220AB	200	0.68	10	150	175	Common cathode	No
2 x 10	VF20202G	ITO-220AB	200	0.71	10	130	175	Common cathode	No
2 x 15	VF30200C	ITO-220AB	200	0.648	15	250	150	Common cathode	No
2 x 15	VF30202C	ITO-220AB	200	0.65	15	260	175	Common cathode	No
2 x 5	VFT10202C	ITO-220AB	200	0.65	5	100	175	Common cathode	No
2 x 5	VFT10200C	ITO-220AB	200	0.65	5	80	150	Common cathode	No
10	VFT1045	ITO-220AC	45	0.52	10	100	150	Single	No
10	VFT1045BP	ITO-220AC	45	0.52	10	100	200	Single	No
20	VFT2045BP	ITO-220AC	45	0.51	20	160	200	Single	No
30	VFT3045BP	ITO-220AC	45	0.51	30	200	200	Single	No
40	VFT4045BP	ITO-220AC	45	0.51	40	240	200	Single	No



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
7.5	VFT760	ITO-220AC	60	0.6	7.5	100	150	Single	No
	VFT760-E3								
10	MBRF1090	ITO-220AC	90	See datasheet curve	10	150	150	Single	No
10	MBRF10100	ITO-220AC	100	See datasheet curve	10	150	150	Single	No
20	VF20100SG	ITO-220AC	100	0.75	20	150	150	Single	No
5	VFT5200	ITO-220AC	200	0.65	5	80	150	Single	No
5	VFT5202	ITO-220AC	200	0.65	5	100	175	Single	No
1	V1PL45	MicroSMP (DO-219AD)	45	0.36	1	25	150	Single	Yes
2	V2PL45	MicroSMP (DO-219AD)	45	0.4	2	30	150	Single	Yes
1	V1P6	MicroSMP (DO-219AD)	60	0.45	1	25	150	Single	Yes
2	V2P6	MicroSMP (DO-219AD)	60	0.51	2	30	150	Single	Yes
1	V1PM10	MicroSMP (DO-219AD)	100	0.58	1	25	175	Single	Yes
2	V2PM10	MicroSMP (DO-219AD)	100	0.62	2	30	175	Single	Yes
1	V1PM12	MicroSMP (DO-219AD)	120	0.61	1	25	175	Single	Yes
2	V2PM12	MicroSMP (DO-219AD)	120	0.65	2	30	175	Single	Yes
1	V1PM15	MicroSMP (DO-219AD)	150	0.64	1	25	175	Single	Yes
2	V2PM15	MicroSMP (DO-219AD)	150	0.68	2	30	175	Single	Yes
1	V1P22	MicroSMP (DO-219AD)	200	0.65	1	25	175	Single	Yes
2	V2P22	MicroSMP (DO-219AD)	200	0.7	2	30	175	Single	Yes
6	V6PWL45	SlimDPAK (TO-252AE)	45	0.38	6	100	150	Single	Yes
6	V6PWM45	SlimDPAK (TO-252AE)	45	0.45	6	100	175	Single	Yes
10	V10PWL45	SlimDPAK (TO-252AE)	45	0.38	10	180	150	Single	Yes
10	V10PWM45	SlimDPAK (TO-252AE)	45	0.46	10	180	175	Single	Yes
20	V20PW45	SlimDPAK (TO-252AE)	45	0.46	20	200	150	Single	Yes
20	V20PWM45	SlimDPAK (TO-252AE)	45	0.51	20	200	175	Single	Yes
35	V35PW45	SlimDPAK (TO-252AE)	45	0.46	35	260	150	Single	Yes
35	V35PWM45	SlimDPAK (TO-252AE)	45	0.52	35	260	175	Single	Yes
2 x 3	V6PWL45C	SlimDPAK (TO-252AE)	45	0.37	3	70	150	Common cathode	Yes
2 x 3	V6PWM45C	SlimDPAK (TO-252AE)	45	0.45	3	70	175	Common cathode	Yes
2 x 5	V10PWL45C	SlimDPAK (TO-252AE)	45	0.38	5	80	150	Common cathode	Yes
2 x 5	V10PWM45C	SlimDPAK (TO-252AE)	45	0.45	5	80	175	Common cathode	Yes
2 x 10	V20PW45C	SlimDPAK (TO-252AE)	45	0.44	10	150	150	Common cathode	Yes
2 x 10	V20PWM45C	SlimDPAK (TO-252AE)	45	0.46	10	150	175	Common cathode	Yes
2 x 20	V40PW45C	SlimDPAK (TO-252AE)	45	0.49	20	240	150	Common cathode	Yes
2 x 20	V40PWM45C	SlimDPAK (TO-252AE)	45	0.52	20	240	175	Common cathode	Yes
6	V6PW60	SlimDPAK (TO-252AE)	60	0.46	6	100	150	Single	Yes
6	V6PWM60	SlimDPAK (TO-252AE)	60	0.51	6	100	175	Single	Yes



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
10	V10PW60	SlimDPAK (TO-252AE)	60	0.45	10	180	150	Single	Yes
10	V10PWL63	SlimDPAK (TO-252AE)	60	0.45	10	180	150	Single	Yes
10	V10PWM60	SlimDPAK (TO-252AE)	60	0.49	10	180	175	Single	Yes
10	V10PWM63	SlimDPAK (TO-252AE)	60	0.52	10	180	175	Single	Yes
20	V20PW60	SlimDPAK (TO-252AE)	60	0.54	20	200	150	Single	Yes
20	V20PWL63	SlimDPAK (TO-252AE)	60	0.51	20	200	150	Single	Yes
20	V20PWM60	SlimDPAK (TO-252AE)	60	0.58	20	200	175	Single	Yes
20	V20PWM63	SlimDPAK (TO-252AE)	60	0.55	20	200	175	Single	Yes
35	V35PW60	SlimDPAK (TO-252AE)	60	0.55	35	260	150	Single	Yes
35	V35PWL63	SlimDPAK (TO-252AE)	60	0.56	35	260	150	Single	Yes
35	V35PWM60	SlimDPAK (TO-252AE)	60	0.58	35	260	175	Single	Yes
35	V35PWM63	SlimDPAK (TO-252AE)	60	0.6	35	260	175	Single	Yes
2 x 3	V6PW60C	SlimDPAK (TO-252AE)	60	0.43	3	70	150	Common cathode	Yes
2 x 3	V6PWM60C	SlimDPAK (TO-252AE)	60	0.48	3	70	175	Common cathode	Yes
2 x 5	V10PW60C	SlimDPAK (TO-252AE)	60	0.48	5	80	150	Common cathode	Yes
2 x 5	V10PWM60C	SlimDPAK (TO-252AE)	60	0.51	5	80	175	Common cathode	Yes
2 x 10	V20PW60C	SlimDPAK (TO-252AE)	60	0.51	10	150	150	Common cathode	Yes
2 x 10	V20PWM60C	SlimDPAK (TO-252AE)	60	0.52	10	150	175	Common cathode	Yes
2 x 20	V40PW60C	SlimDPAK (TO-252AE)	60	0.57	20	240	150	Common cathode	Yes
2 x 20	V40PWM60C	SlimDPAK (TO-252AE)	60	0.59	20	240	175	Common cathode	Yes
2 x 10	V20PWL63C	SlimDPAK (TO-252AE)	60	0.49	10	150	150	Common cathode	Yes
2 x 10	V20PWM63C	SlimDPAK (TO-252AE)	60	0.54	10	150	175	Common cathode	Yes
2 x 20	V40PWL63C	SlimDPAK (TO-252AE)	60	0.56	20	240	150	Common cathode	Yes
2 x 20	V40PWM63C	SlimDPAK (TO-252AE)	60	0.59	20	240	175	Common cathode	Yes
2 x 5	V10PWL63C	SlimDPAK (TO-252AE)	60	0.48	5	80	150	Common cathode	Yes
2 x 5	V10PWM63C	SlimDPAK (TO-252AE)	60	0.54	5	80	175	Common cathode	Yes
6	V6PW10	SlimDPAK (TO-252AE)	100	0.58	6	100	150	Single	Yes
6	V6PWM10	SlimDPAK (TO-252AE)	100	0.6	6	100	175	Single	Yes
10	V10PW10	SlimDPAK (TO-252AE)	100	0.58	10	180	150	Single	Yes
10	V10PWM10	SlimDPAK (TO-252AE)	100	0.58	10	180	175	Single	Yes
20	V20PW10	SlimDPAK (TO-252AE)	100	0.69	20	200	150	Single	Yes
20	V20PWM10	SlimDPAK (TO-252AE)	100	0.7	20	200	175	Single	Yes
35	V35PW10	SlimDPAK (TO-252AE)	100	0.68	35	260	150	Single	Yes
35	V35PWM10	SlimDPAK (TO-252AE)	100	0.68	35	260	175	Single	Yes
2 x 3	V6PW10C	SlimDPAK (TO-252AE)	100	0.56	3	70	150	Common cathode	Yes
2 x 3	V6PWM10C	SlimDPAK (TO-252AE)	100	0.57	3	70	175	Common cathode	Yes
2 x 5	V10PW10C	SlimDPAK (TO-252AE)	100	0.6	5	80	150	Common cathode	Yes
2 x 5	V10PWM10C	SlimDPAK (TO-252AE)	100	0.6	5	80	175	Common cathode	Yes
2 x 10	V20PW10C	SlimDPAK (TO-252AE)	100	0.63	10	150	150	Common cathode	Yes
2 x 10	V20PWM10C	SlimDPAK (TO-252AE)	100	0.63	10	150	175	Common cathode	Yes



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 20	V40PW10C	SlimDPAK (TO-252AE)	100	0.7	20	240	150	Common cathode	Yes
2 x 20	V40PWM10C	SlimDPAK (TO-252AE)	100	0.68	20	240	175	Common cathode	Yes
6	V6PW12	SlimDPAK (TO-252AE)	120	0.62	6	100	150	Single	Yes
6	V6PWM12	SlimDPAK (TO-252AE)	120	0.63	6	100	175	Single	Yes
10	V10PW12	SlimDPAK (TO-252AE)	120	0.61	10	180	150	Single	Yes
10	V10PWM12	SlimDPAK (TO-252AE)	120	0.62	10	180	175	Single	Yes
20	V20PW12	SlimDPAK (TO-252AE)	120	0.72	20	200	150	Single	Yes
20	V20PWM12	SlimDPAK (TO-252AE)	120	0.72	20	200	175	Single	Yes
35	V35PW12	SlimDPAK (TO-252AE)	120	0.7	35	260	150	Single	Yes
35	V35PWM12	SlimDPAK (TO-252AE)	120	0.68	35	260	175	Single	Yes
2 x 3	V6PW12C	SlimDPAK (TO-252AE)	120	0.6	3	70	150	Common cathode	Yes
2 x 3	V6PWM12C	SlimDPAK (TO-252AE)	120	0.6	3	70	175	Common cathode	Yes
2 x 5	V10PW12C	SlimDPAK (TO-252AE)	120	0.62	5	80	150	Common cathode	Yes
2 x 5	V10PWM12C	SlimDPAK (TO-252AE)	120	0.63	5	80	175	Common cathode	Yes
2 x 10	V20PW12C	SlimDPAK (TO-252AE)	120	0.66	10	150	150	Common cathode	Yes
2 x 10	V20PWM12C	SlimDPAK (TO-252AE)	120	0.65	10	150	175	Common cathode	Yes
2 x 20	V40PW12C	SlimDPAK (TO-252AE)	120	0.73	20	240	150	Common cathode	Yes
2 x 20	V40PWM12C	SlimDPAK (TO-252AE)	120	0.7	20	240	175	Common cathode	Yes
10	V10PWM153	SlimDPAK (TO-252AE)	150	0.61	10	180	175	Single	Yes
20	V20PW15	SlimDPAK (TO-252AE)	150	0.74	20	200	150	Single	Yes
20	V20PWM15	SlimDPAK (TO-252AE)	150	0.74	20	200	175	Single	Yes
20	V20PWM153	SlimDPAK (TO-252AE)	150	0.69	20	200	175	Single	Yes
35	V35PW15	SlimDPAK (TO-252AE)	150	0.71	35	260	150	Single	Yes
35	V35PWM15	SlimDPAK (TO-252AE)	150	0.71	35	260	175	Single	Yes
35	V35PWM153	SlimDPAK (TO-252AE)	150	0.71	35	260	175	Single	Yes
2 x 5	V10PWM153C	SlimDPAK (TO-252AE)	150	0.63	5	80	175	Common cathode	Yes
2 x 10	V20PW15C	SlimDPAK (TO-252AE)	150	0.69	10	150	150	Common cathode	Yes
2 x 10	V20PWM153C	SlimDPAK (TO-252AE)	150	0.65	10	150	175	Common cathode	Yes
2 x 10	V20PWM15C	SlimDPAK (TO-252AE)	150	0.69	10	150	175	Common cathode	Yes
2 x 20	V40PW15C	SlimDPAK (TO-252AE)	150	0.76	20	240	150	Common cathode	Yes
2 x 20	V40PWM153C	SlimDPAK (TO-252AE)	150	0.69	20	240	175	Common cathode	Yes
2 x 20	V40PWM15C	SlimDPAK (TO-252AE)	150	0.76	20	240	175	Common cathode	Yes
20	V20PW22	SlimDPAK (TO-252AE)	200	0.74	20	200	175	Single	Yes
35	V35PW22	SlimDPAK (TO-252AE)	200	0.77	35	260	175	Single	Yes
2 x 10	V20PW22C	SlimDPAK (TO-252AE)	200	0.7	10	150	175	Common cathode	Yes
2 x 20	V40PW22C	SlimDPAK (TO-252AE)	200	0.75	20	240	175	Common cathode	Yes
3	VSSAF3L45	SlimSMA (DO-221AC)	45	0.37	3	80	150	Single	Yes
5	VSSAF5L45	SlimSMA (DO-221AC)	45	0.39	5	100	150	Single	Yes
3	VSSAF3N50	SlimSMA (DO-221AC)	50	0.4	3	80	150	Single	No
5	VSSAF5N50	SlimSMA (DO-221AC)	50	0.41	5	100	150	Single	No



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
3	VSSAF3L63	SlimSMA (DO-221AC)	60	0.41	3	80	150	Single	Yes
3	VSSAF3M6	SlimSMA (DO-221AC)	60	0.46	3	80	175	Single	Yes
3	VSSAF3M63	SlimSMA (DO-221AC)	60	0.48	3	80	175	Single	Yes
5	VSSAF56	SlimSMA (DO-221AC)	60	0.48	5	100	150	Single	Yes
5	VSSAF5L63	SlimSMA (DO-221AC)	60	0.48	5	100	150	Single	Yes
5	VSSAF5M6	SlimSMA (DO-221AC)	60	0.52	5	100	175	Single	Yes
5	VSSAF5M63	SlimSMA (DO-221AC)	60	0.54	5	100	175	Single	Yes
3	VSSAF3M10	SlimSMA (DO-221AC)	100	0.56	3	80	175	Single	Yes
5	VSSAF510	SlimSMA (DO-221AC)	100	0.59	5	100	150	Single	Yes
5	VSSAF5M10	SlimSMA (DO-221AC)	100	0.62	5	100	175	Single	Yes
5	VSSAF512	SlimSMA (DO-221AC)	120	0.62	5	100	150	Single	Yes
5	VSSAF5M12	SlimSMA (DO-221AC)	120	0.64	5	100	175	Single	Yes
5	VSSAF515	SlimSMA (DO-221AC)	150	0.66	5	100	150	Single	Yes
5	VSSAF5M15	SlimSMA (DO-221AC)	150	0.68	5	100	175	Single	Yes
5	VSSAF522	SlimSMA (DO-221AC)	200	0.69	5	90	175	Single	Yes
2	VSS8D2M6	SlimSMAW (DO-221AD)	60	0.46	2	60	175	Single	Yes
3	VSS8D3M6	SlimSMAW (DO-221AD)	60	0.47	3	60	175	Single	Yes
5	VSS8D5M6	SlimSMAW (DO-221AD)	60	0.52	5	60	175	Single	Yes
2	VSS8D2M10	SlimSMAW (DO-221AD)	100	0.56	2	50	175	Single	Yes
3	VSS8D3M10	SlimSMAW (DO-221AD)	100	0.58	3	60	175	Single	Yes
5	VSS8D5M10	SlimSMAW (DO-221AD)	100	0.62	5	100	175	Single	Yes
2	VSS8D2M12	SlimSMAW (DO-221AD)	120	0.59	2	50	175	Single	Yes
3	VSS8D3M12	SlimSMAW (DO-221AD)	120	0.61	3	60	175	Single	Yes
5	VSS8D5M12	SlimSMAW (DO-221AD)	120	0.64	5	100	175	Single	Yes
2	VSS8D2M15	SlimSMAW (DO-221AD)	150	0.64	2	50	175	Single	Yes
3	VSS8D3M15	SlimSMAW (DO-221AD)	150	0.64	3	60	175	Single	Yes
5	VSS8D5M15	SlimSMAW (DO-221AD)	150	0.68	5	100	175	Single	Yes
3	VSSA36S	SMA (DO-214AC)	60	0.48	3	60	150	Single	No
3	VSSA3L6S	SMA (DO-214AC)	60	0.41	3	80	150	Single	No
2	VSSA210	SMA (DO-214AC)	100	0.56	2	60	150	Single	Yes
3	VSSA310S	SMA (DO-214AC)	100	0.62	3	60	150	Single	No
	VSSA310S-E3								
3	VSSA310SHM3	SMA (DO-214AC)	100	0.62	3	60	150	Single	Yes
7	VSSB7L45	SMB (DO-214AA)	45	0.4	7	120	150	Single	No
3	VSSB3L6S	SMB (DO-214AA)	60	0.42	3	80	150	Single	No
3	VSSB310-E3	SMB (DO-214AA)	100	0.56	3	80	150	Single	No
	VSSB310-M3								
4	VSSB410S	SMB (DO-214AA)	100	0.61	4	80	150	Single	No
	VSSB410S-M3								
4	VSSB420S	SMB (DO-214AA)	200	0.71	4	40	150	Single	No



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
8	VSSC8L45	SMC (DO-214AB)	45	0.39	8	140	150	Single	No
5	VSSC520S	SMC (DO-214AB)	200	0.67	5	100	150	Single	No
1	V1FL45	SMF (DO-219AB)	45	0.36	1	30	150	Single	Yes
2	V2FL45	SMF (DO-219AB)	45	0.4	2	40	150	Single	Yes
3	V3FL45	SMF (DO-219AB)	45	0.43	3	50	150	Single	Yes
1	V1F6	SMF (DO-219AB)	60	0.45	1	30	150	Single	Yes
2	V2F6	SMF (DO-219AB)	60	0.45	2	50	150	Single	Yes
3	V3F6	SMF (DO-219AB)	60	0.49	3	60	150	Single	Yes
1	V1FM10	SMF (DO-219AB)	100	0.59	1	30	175	Single	Yes
2	V2FM10	SMF (DO-219AB)	100	0.62	2	40	175	Single	Yes
3	V3FM10	SMF (DO-219AB)	100	0.62	3	55	175	Single	Yes
1	V1FM12	SMF (DO-219AB)	120	0.61	1	30	175	Single	Yes
2	V2FM12	SMF (DO-219AB)	120	0.65	2	40	175	Single	Yes
3	V3FM12	SMF (DO-219AB)	120	0.64	3	60	175	Single	Yes
1	V1FM15	SMF (DO-219AB)	150	0.64	1	30	175	Single	Yes
2	V2FM15	SMF (DO-219AB)	150	0.69	2	40	175	Single	Yes
3	V3FM15	SMF (DO-219AB)	150	0.66	3	40	175	Single	Yes
1	V1F22	SMF (DO-219AB)	200	0.64	1	30	175	Single	Yes
2	V2F22	SMF (DO-219AB)	200	0.64	2	60	175	Single	Yes
2	V2PL45L	SMP (DO-220AA)	45	0.36	2	50	150	Single	Yes
3	V3PL45	SMP (DO-220AA)	45	0.37	3	80	150	Single	Yes
2	V2P6L	SMP (DO-220AA)	60	0.45	2	50	150	Single	Yes
2	V2P6X	SMP (DO-220AA)	60	0.51	2	50	175	Single	Yes
2	V2PL63L	SMP (DO-220AA)	60	0.46	2	50	150	Single	Yes
2	V2PM63L	SMP (DO-220AA)	60	0.52	2	50	175	Single	Yes
2	V2PM6L	SMP (DO-220AA)	60	0.48	2	50	175	Single	Yes
3	V3P6	SMP (DO-220AA)	60	0.48	3	60	150	Single	Yes
3	V3P6L	SMP (DO-220AA)	60	0.44	3	80	150	Single	Yes
3	V3PL63	SMP (DO-220AA)	60	0.48	3	60	150	Single	Yes
3	V3PM6	SMP (DO-220AA)	60	0.47	3	80	175	Single	Yes
3	V3PM63	SMP (DO-220AA)	60	0.53	3	60	175	Single	Yes
2	V2PM10L	SMP (DO-220AA)	100	0.58	2	50	175	Single	Yes
3	V3PM10	SMP (DO-220AA)	100	0.58	3	80	175	Single	Yes
2	V2PM12L	SMP (DO-220AA)	120	0.6	2	50	175	Single	Yes
3	V3PM12	SMP (DO-220AA)	120	0.61	3	80	175	Single	Yes
2	V2PM15L	SMP (DO-220AA)	150	0.64	2	50	175	Single	Yes
3	V3PM15	SMP (DO-220AA)	150	0.64	3	80	175	Single	Yes
2	V2P22L	SMP (DO-220AA)	200	0.68	2	50	175	Single	Yes
3	V3P22	SMP (DO-220AA)	200	0.7	3	60	175	Single	Yes
3	V3PAL45	SMPA (DO-221BC)	45	0.37	3	80	150	Single	Yes



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
4	V4PAL45	SMPA (DO-221BC)	45	0.41	4	80	150	Single	Yes
8	V8PAL45	SMPA (DO-221BC)	45	0.4	8	120	150	Single	Yes
3	V3PAN50	SMPA (DO-221BC)	50	0.4	3	80	150	Single	No
4	V4PAN50	SMPA (DO-221BC)	50	0.46	4	80	150	Single	No
8	V8PAL50	SMPA (DO-221BC)	50	0.4	8	120	150	Single	No
8	V8PAN50	SMPA (DO-221BC)	50	0.41	8	120	150	Single	No
8	V8PA6	SMPA (DO-221BC)	60	0.49	8	100	150	Single	Yes
8	V8PA10	SMPA (DO-221BC)	100	0.61	8	100	150	Single	Yes
8	V8PAM10	SMPA (DO-221BC)	100	0.62	8	100	175	Single	Yes
8	V8PAM10S	SMPA (DO-221BC)	100	0.63	8	90	175	Single	Yes
8	V8PA12	SMPA (DO-221BC)	120	0.64	8	100	150	Single	Yes
8	V8PAM12	SMPA (DO-221BC)	120	0.65	8	100	175	Single	Yes
8	V8PA15	SMPA (DO-221BC)	150	0.68	8	100	150	Single	Yes
5	V5PA22	SMPA (DO-221BC)	200	0.69	5	90	175	Single	Yes
8	V8PA22	SMPA (DO-221BC)	200	0.7	8	100	175	Single	Yes
8	V8P45	SMPC (TO-277A)	45	0.41	8	140	150	Single	Yes
8	V8PM45	SMPC (TO-277A)	45	0.46	8	140	175	Single	Yes
10	V10P45	SMPC (TO-277A)	45	0.41	10	180	150	Single	Yes
10	V10P45S	SMPC (TO-277A)	45	0.41	10	180	150	Single	No
10	V10PL45	SMPC (TO-277A)	45	0.35	10	200	150	Single	No
10	V10PM45	SMPC (TO-277A)	45	0.46	10	180	175	Single	Yes
12	V12P45	SMPC (TO-277A)	45	0.41	12	200	150	Single	Yes
12	V12PM45	SMPC (TO-277A)	45	0.46	12	200	175	Single	Yes
15	V15P45	SMPC (TO-277A)	45	0.42	15	210	150	Single	Yes
15	V15P45S	SMPC (TO-277A)	45	0.42	15	210	150	Single	No
15	V15PM45	SMPC (TO-277A)	45	0.52	15	220	175	Single	Yes
10	V10PN50	SMPC (TO-277A)	50	0.4	10	180	150	Single	No
15	V15PL50	SMPC (TO-277A)	50	0.4	15	200	150	Single	No
15	V15PN50	SMPC (TO-277A)	50	0.41	15	200	150	Single	No
20	V20PL50	SMPC (TO-277A)	50	0.46	20	240	150	Single	No
8	V8P6	SMPC (TO-277A)	60	0.46	8	140	150	Single	Yes
8	V8PL6	SMPC (TO-277A)	60	0.42	8	140	150	Single	No
8	V8PL63	SMPC (TO-277A)	60	0.48	8	140	150	Single	Yes
8	V8PM6	SMPC (TO-277A)	60	0.52	8	140	175	Single	Yes
8	V8PM63	SMPC (TO-277A)	60	0.52	8	140	175	Single	Yes
10	V10P6	SMPC (TO-277A)	60	0.44	10	180	150	Single	Yes
10	V10PL63	SMPC (TO-277A)	60	0.47	10	180	150	Single	Yes
10	V10PM6	SMPC (TO-277A)	60	0.52	10	180	175	Single	Yes
10	V10PM63	SMPC (TO-277A)	60	0.52	10	180	175	Single	Yes
12	V12P6	SMPC (TO-277A)	60	0.46	12	200	150	Single	Yes



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RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
12	V12PL63	SMPC (TO-277A)	60	0.45	12	200	150	Single	Yes
12	V12PM6	SMPC (TO-277A)	60	0.52	12	200	175	Single	Yes
12	V12PM63	SMPC (TO-277A)	60	0.52	12	200	175	Single	Yes
15	V15P6	SMPC (TO-277A)	60	0.48	15	220	150	Single	Yes
15	V15PL63	SMPC (TO-277A)	60	0.48	15	220	150	Single	Yes
15	V15PM6	SMPC (TO-277A)	60	0.52	15	220	175	Single	Yes
15	V15PM63	SMPC (TO-277A)	60	0.55	15	220	175	Single	Yes
20	V20PL60	SMPC (TO-277A)	60	0.46	20	240	150	Single	No
20	V20PL63	SMPC (TO-277A)	60	0.53	20	240	150	Single	Yes
20	V20PM63	SMPC (TO-277A)	60	0.57	20	240	175	Single	Yes
25	V25PL60	SMPC (TO-277A)	60	0.5	25	240	150	Single	No
25	V25PN60	SMPC (TO-277A)	60	0.45	25	300	150	Single	No
8	V8P8	SMPC (TO-277A)	80	0.54	8	140	150	Single	Yes
10	V10P8	SMPC (TO-277A)	80	0.56	10	180	150	Single	Yes
12	V12P8	SMPC (TO-277A)	80	0.54	12	200	150	Single	Yes
15	V15P8	SMPC (TO-277A)	80	0.55	15	220	150	Single	Yes
8	V8P10	SMPC (TO-277A)	100	0.582	8	150	150	Single	Yes
8	V8PM10	SMPC (TO-277A)	100	0.6	8	140	175	Single	Yes
8	V8PM10S	SMPC (TO-277A)	100	0.62	8	120	175	Single	Yes
10	V10P10	SMPC (TO-277A)	100	0.574	10	180	150	Single	Yes
10	V10PM10	SMPC (TO-277A)	100	0.61	10	180	175	Single	Yes
12	V12P10	SMPC (TO-277A)	100	0.58	12	200	150	Single	Yes
12	V12PM10	SMPC (TO-277A)	100	0.61	12	200	175	Single	Yes
15	V15P10	SMPC (TO-277A)	100	0.6	15	220	150	Single	Yes
15	V15PM10	SMPC (TO-277A)	100	0.61	15	220	175	Single	Yes
8	V8P12	SMPC (TO-277A)	120	0.63	8	140	150	Single	Yes
8	V8PM12	SMPC (TO-277A)	120	0.63	8	140	175	Single	Yes
10	V10P12	SMPC (TO-277A)	120	0.62	10	160	150	Single	Yes
10	V10PM12	SMPC (TO-277A)	120	0.63	10	160	175	Single	Yes
12	V12P12	SMPC (TO-277A)	120	0.63	12	150	150	Single	Yes
12	V12PM12	SMPC (TO-277A)	120	0.63	12	160	175	Single	Yes
15	V15P12	SMPC (TO-277A)	120	0.63	15	220	150	Single	Yes
15	V15PM12	SMPC (TO-277A)	120	0.63	15	220	175	Single	Yes
8	V8P15	SMPC (TO-277A)	150	0.66	8	140	150	Single	Yes
8	V8PM15	SMPC (TO-277A)	150	0.66	8	140	175	Single	Yes
8	V8PM153	SMPC (TO-277A)	150	0.62	8	140	175	Single	Yes
10	V10P15	SMPC (TO-277A)	150	0.66	10	180	150	Single	Yes
10	V10PM15	SMPC (TO-277A)	150	0.66	10	180	175	Single	Yes
10	V10PM153	SMPC (TO-277A)	150	0.61	10	180	175	Single	Yes
12	V12P15	SMPC (TO-277A)	150	0.66	12	200	150	Single	Yes



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
12	V12PM15	SMPC (TO-277A)	150	0.66	12	200	175	Single	Yes
12	V12PM153	SMPC (TO-277A)	150	0.62	12	200	175	Single	Yes
15	V15P15	SMPC (TO-277A)	150	0.66	15	220	150	Single	Yes
15	V15PM15	SMPC (TO-277A)	150	0.66	15	220	175	Single	Yes
15	V15PM153	SMPC (TO-277A)	150	0.62	15	220	175	Single	Yes
8	V8P20	SMPC (TO-277A)	200	0.68	8	150	150	Single	No
8	V8P22	SMPC (TO-277A)	200	0.68	8	140	175	Single	Yes
10	V10P20	SMPC (TO-277A)	200	0.67	10	180	150	Single	No
10	V10P22	SMPC (TO-277A)	200	0.68	10	180	175	Single	Yes
12	V12P22	SMPC (TO-277A)	200	0.68	12	200	175	Single	Yes
15	V15P22	SMPC (TO-277A)	200	0.69	15	220	175	Single	Yes
2 x 2	V4P22C	SMPC (TO-277A)	200	0.65	2	60	175	Common cathode	Yes
2 x 3	V6P22C	SMPC (TO-277A)	200	0.68	3	70	175	Common cathode	Yes
2 x 4	V8P22C	SMPC (TO-277A)	200	0.69	4	80	175	Common cathode	Yes
2 x 5	V10P22C	SMPC (TO-277A)	200	0.69	5	90	175	Common cathode	Yes
20	V20DL45	SMPD (TO-263AC)	45	0.5	20	160	150	Single	Yes
20	V20DL45BP	SMPD (TO-263AC)	45	0.5	20	160	200	Single	No
30	V30DL45	SMPD (TO-263AC)	45	0.51	30	240	150	Single	Yes
30	V30DL45BP	SMPD (TO-263AC)	45	0.51	30	200	200	Single	No
40	V40DL45	SMPD (TO-263AC)	45	0.53	40	240	150	Single	Yes
40	V40DL45BP	SMPD (TO-263AC)	45	0.53	40	240	200	Single	No
2 x 10	V20D45C	SMPD (TO-263AC)	45	0.4	10	120	150	Common cathode	Yes
2 x 10	V20DM45C	SMPD (TO-263AC)	45	0.46	10	150	175	Common cathode	Yes
2 x 15	V30D45C	SMPD (TO-263AC)	45	0.4	15	200	150	Common cathode	Yes
2 x 15	V30DM45C	SMPD (TO-263AC)	45	0.46	15	200	175	Common cathode	Yes
2 x 20	V40D45C	SMPD (TO-263AC)	45	0.4	20	250	150	Common cathode	Yes
2 x 20	V40DM45C	SMPD (TO-263AC)	45	0.48	20	240	175	Common cathode	Yes
2 x 30	V60D45C	SMPD (TO-263AC)	45	0.48	30	320	150	Common cathode	Yes
2 x 30	V60DM45C	SMPD (TO-263AC)	45	0.55	30	320	175	Common cathode	Yes
2 x 5	V10D45C	SMPD (TO-263AC)	45	0.46	5	80	175	Common cathode	Yes
2 x 5	V10D45C	SMPD (TO-263AC)	45	0.41	5	100	150	Common cathode	Yes
2 x 15	V30DL50C	SMPD (TO-263AC)	50	0.42	15	300	150	Common cathode	Yes
2 x 10	V20D60C	SMPD (TO-263AC)	60	0.49	10	120	150	Common cathode	Yes
2 x 10	V20DL63C	SMPD (TO-263AC)	60	0.49	10	120	150	Common cathode	Yes
2 x 10	V20DM60C	SMPD (TO-263AC)	60	0.54	10	150	175	Common cathode	Yes
2 x 10	V20DM63C	SMPD (TO-263AC)	60	0.54	10	120	175	Common cathode	Yes
2 x 15	V30D60C	SMPD (TO-263AC)	60	0.57	15	170	150	Common cathode	Yes
2 x 15	V30D60CL	SMPD (TO-263AC)	60	0.49	15	200	150	Common cathode	Yes
2 x 15	V30DL63C	SMPD (TO-263AC)	60	0.54	15	170	150	Common cathode	Yes
2 x 15	V30DL63CL	SMPD (TO-263AC)	60	0.47	15	200	150	Common cathode	Yes



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 15	V30DM60CL	SMPD (TO-263AC)	60	0.52	15	200	175	Common cathode	Yes
2 x 15	V30DM63CL	SMPD (TO-263AC)	60	0.55	15	200	175	Common cathode	Yes
2 x 20	V40D60C	SMPD (TO-263AC)	60	0.47	20	250	150	Common cathode	Yes
2 x 20	V40DL63C	SMPD (TO-263AC)	60	0.47	20	250	150	Common cathode	Yes
2 x 20	V40DM60C	SMPD (TO-263AC)	60	0.54	20	240	175	Common cathode	Yes
2 x 20	V40DM63C	SMPD (TO-263AC)	60	0.57	20	250	175	Common cathode	Yes
2 x 30	V60D60C	SMPD (TO-263AC)	60	0.5	30	320	150	Common cathode	Yes
2 x 30	V60DL63C	SMPD (TO-263AC)	60	0.52	30	320	150	Common cathode	Yes
2 x 30	V60DM60C	SMPD (TO-263AC)	60	0.61	30	320	175	Common cathode	Yes
2 x 30	V60DM63C	SMPD (TO-263AC)	60	0.57	30	320	175	Common cathode	Yes
2 x 5	V10DL63C	SMPD (TO-263AC)	60	0.48	5	100	150	Common cathode	Yes
2 x 5	V10DM60C	SMPD (TO-263AC)	60	0.52	5	80	175	Common cathode	Yes
2 x 5	V10DM63C	SMPD (TO-263AC)	60	0.54	5	100	175	Common cathode	Yes
2 x 5	V10D60C	SMPD (TO-263AC)	60	0.5	5	100	150	Common cathode	Yes
2 x 10	V20D100C	SMPD (TO-263AC)	100	0.63	10	120	150	Common cathode	Yes
2 x 10	V20DM100C	SMPD (TO-263AC)	100	0.64	10	150	175	Common cathode	Yes
2 x 15	V30D100C	SMPD (TO-263AC)	100	0.64	15	150	150	Common cathode	Yes
2 x 15	V30DM100C	SMPD (TO-263AC)	100	0.66	15	160	175	Common cathode	Yes
2 x 20	V40D100C	SMPD (TO-263AC)	100	0.63	20	250	150	Common cathode	Yes
2 x 20	V40DM100C	SMPD (TO-263AC)	100	0.64	20	240	175	Common cathode	Yes
2 x 30	V60D100C	SMPD (TO-263AC)	100	0.66	30	320	150	Common cathode	Yes
2 x 30	V60DM100C	SMPD (TO-263AC)	100	0.7	30	320	175	Common cathode	Yes
2 x 5	V10DM100C	SMPD (TO-263AC)	100	0.62	5	80	175	Common cathode	Yes
2 x 5	V10D100C	SMPD (TO-263AC)	100	0.6	5	100	150	Common cathode	Yes
20	V20DM120	SMPD (TO-263AC)	120	0.71	20	150	175	Single	Yes
30	V30DM120	SMPD (TO-263AC)	120	0.73	30	250	175	Single	Yes
35	V35DM120	SMPD (TO-263AC)	120	0.73	35	320	175	Single	Yes
2 x 10	V20DM120C	SMPD (TO-263AC)	120	0.65	10	120	175	Common cathode	Yes
2 x 15	V30DM120C	SMPD (TO-263AC)	120	0.67	15	150	175	Common cathode	Yes
2 x 20	V40D120C	SMPD (TO-263AC)	120	0.64	20	250	150	Common cathode	Yes
2 x 20	V40DM120C	SMPD (TO-263AC)	120	0.64	20	250	175	Common cathode	Yes
2 x 30	V60D120C	SMPD (TO-263AC)	120	0.7	30	320	150	Common cathode	Yes
2 x 30	V60DM120C	SMPD (TO-263AC)	120	0.7	30	320	175	Common cathode	Yes
2 x 5	V10D120C	SMPD (TO-263AC)	120	0.64	5	100	150	Common cathode	Yes
2 x 10	V20DM150C	SMPD (TO-263AC)	150	0.69	10	120	175	Common cathode	Yes
2 x 10	V20DM153C	SMPD (TO-263AC)	150	0.65	10	120	175	Common cathode	Yes
2 x 15	V30DM150C	SMPD (TO-263AC)	150	0.73	15	140	175	Common cathode	Yes
2 x 15	V30DM153C	SMPD (TO-263AC)	150	0.67	15	140	175	Common cathode	Yes
2 x 20	V40DM150C	SMPD (TO-263AC)	150	0.72	20	160	175	Common cathode	Yes
2 x 20	V40DM153C	SMPD (TO-263AC)	150	0.69	20	160	175	Common cathode	Yes



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 5	V10DM150C	SMPD (TO-263AC)	150	0.68	5	80	175	Common cathode	Yes
2 x 5	V10DM153C	SMPD (TO-263AC)	150	0.63	5	80	175	Common cathode	Yes
2 x 10	V20D170C	SMPD (TO-263AC)	170	0.68	10	150	175	Common cathode	Yes
2 x 15	V30D170C	SMPD (TO-263AC)	170	0.66	15	260	175	Common cathode	Yes
2 x 5	V10D170C	SMPD (TO-263AC)	170	0.67	5	100	175	Common cathode	Yes
2 x 10	V20D202C	SMPD (TO-263AC)	200	0.68	10	150	175	Common cathode	Yes
2 x 15	V30D202C	SMPD (TO-263AC)	200	0.66	15	260	175	Common cathode	Yes
2 x 5	V10D202C	SMPD (TO-263AC)	200	0.67	5	100	175	Common cathode	Yes
2 x 10	VT2045C	TO-220AB	45	0.41	10	160	150	Common cathode	No
2 x 10	VT2045CBP	TO-220AB	45	0.41	10	160	200	Common cathode	No
2 x 15	VT3045C	TO-220AB	45	0.39	15	200	150	Common cathode	No
2 x 15	VT3045CBP	TO-220AB	45	0.39	15	200	200	Common cathode	No
2 x 20	VT4045C	TO-220AB	45	0.41	20	240	150	Common cathode	No
2 x 20	VX4045C	TO-220AB	45	0.43	20	250	150	Common cathode	Yes
2 x 20	VX40M45C	TO-220AB	45	0.47	20	250	175	Common cathode	Yes
2 x 30	VT6045C	TO-220AB	45	0.47	30	320	150	Common cathode	No
2 x 30	VT6045CBP	TO-220AB	45	0.47	30	320	200	Common cathode	No
2 x 30	VT60M45C	TO-220AB	45	0.5	30	320	175	Common cathode	No
2 x 30	VX6045C	TO-220AB	45	0.45	30	320	150	Common cathode	Yes
2 x 30	VX60M45C	TO-220AB	45	0.5	30	320	175	Common cathode	Yes
2 x 5	VT1045C	TO-220AB	45	0.41	5	100	150	Common cathode	No
2 x 5	VT1045CBP	TO-220AB	45	0.41	5	100	200	Common cathode	No
2 x 10	VT2060C	TO-220AB	60	0.52	10	150	150	Common cathode	No
	VT2060C-E3								
2 x 10	VT2060G	TO-220AB	60	0.63	10	100	150	Common cathode	No
	VT2060G-E3								
2 x 15	VT3060C	TO-220AB	60	0.57	15	170	150	Common cathode	No
	VT3060C-E3								
2 x 15	VT3060G	TO-220AB	60	0.61	15	150	150	Common cathode	No
	VT3060G-E3								
2 x 15	VT30L60C	TO-220AB	60	0.45	15	200	150	Common cathode	No
	VT30L60C-E3								
2 x 20	VT4060C	TO-220AB	60	0.48	20	240	150	Common cathode	No
	VT4060C-E3								
2 x 20	VX4060C	TO-220AB	60	0.47	20	250	150	Common cathode	Yes
2 x 20	VX40M60C	TO-220AB	60	0.5	20	250	175	Common cathode	Yes
2 x 30	VX6060C	TO-220AB	60	0.51	30	300	150	Common cathode	Yes
2 x 30	VX60M60C	TO-220AB	60	0.55	30	300	175	Common cathode	Yes
2 x 5	VT1060C	TO-220AB	60	0.5	5	100	150	Common cathode	No
	VT1060C-E3								



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
10	VT1080S	TO-220AB	80	0.6	10	100	150	Single	No
	VT1080S-E3								
20	VT2080S	TO-220AB	80	0.7	20	150	150	Single	No
	VT2080S-E3								
30	VT3080S	TO-220AB	80	0.73	30	200	150	Single	No
	VT3080S-E3								
2 x 10	VT2080C	TO-220AB	80	0.6	10	100	150	Common cathode	No
	VT2080C-E3								
2 x 15	VT3080C	TO-220AB	80	0.65	15	150	150	Common cathode	No
	VT3080C-E3								
2 x 5	VT1080C	TO-220AB	80	0.57	5	80	150	Common cathode	No
	VT1080C-E3								
2 x 10	MBR2090CT	TO-220AB	90	See datasheet curve	10	150	150	Common cathode	No
2 x 5	MBR1090CT	TO-220AB	90	See datasheet curve	5	120	150	Common cathode	No
	MBR1090CT-E3								
20	V20100S	TO-220AB	100	0.69	20	250	150	Single	No
	V20100S-E3								
20	V20100SG	TO-220AB	100	0.75	20	150	150	Single	No
30	V30100S	TO-220AB	100	0.69	30	250	150	Single	No
	V30100S-E3								
30	V30100SG	TO-220AB	100	0.76	30	250	150	Single	No
	V30100SG-E3								
2 x 10	MBR20100CT	TO-220AB	100	See datasheet curve	10	150	150	Common cathode	No
2 x 10	V20100C	TO-220AB	100	0.58	10	150	150	Common cathode	No
	V20100C-E3								
2 x 10	V20M100M	TO-220AB	100	0.67	10	110	175	Common cathode	No
2 x 15	V30100C	TO-220AB	100	0.63	15	160	150	Common cathode	No
	V30100C-E3								
2 x 15	V30100CI	TO-220AB	100	0.62	15	160	150	Common cathode	No
2 x 15	V30M100M	TO-220AB	100	0.7	15	120	175	Common cathode	No
2 x 15	V31103C	TO-220AB	100	0.61	15	160	150	Common cathode	No
2 x 15	V31M103C	TO-220AB	100	0.62	15	160	175	Common cathode	No
2 x 20	V40100C	TO-220AB	100	0.61	20	250	150	Common cathode	No
	V40100C-E3								
2 x 20	V40100CI	TO-220AB	100	0.59	20	250	150	Common cathode	No



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 20	V40100G	TO-220AB	100	0.67	20	200	150	Common cathode	No
	V40100G-E3								
2 x 20	V41103C	TO-220AB	100	0.58	20	250	150	Common cathode	No
2 x 20	V41M103C	TO-220AB	100	0.59	20	250	175	Common cathode	No
2 x 20	VX40100C	TO-220AB	100	0.6	20	250	150	Common cathode	Yes
2 x 20	VX40M100C	TO-220AB	100	0.61	20	250	175	Common cathode	Yes
2 x 30	V60100C	TO-220AB	100	0.66	30	320	150	Common cathode	No
	V60100C-E3								
2 x 30	V61103C	TO-220AB	100	0.63	30	320	150	Common cathode	No
2 x 30	V61M103C	TO-220AB	100	0.63	30	320	175	Common cathode	No
2 x 30	VX60100C	TO-220AB	100	0.65	30	320	150	Common cathode	Yes
2 x 30	VX60M100C	TO-220AB	100	0.65	30	320	175	Common cathode	Yes
2 x 5	MBR10100CT	TO-220AB	100	See datasheet curve	5	120	150	Common cathode	No
	MBR10100CT-E3								
20	V20120S	TO-220AB	120	0.73	20	200	150	Single	No
	V20120S-E3								
20	V20120SG	TO-220AB	120	0.78	20	150	150	Single	No
	V20120SG-E3								
30	V30120S	TO-220AB	120	0.74	30	300	150	Single	No
	V30120S-E3								
30	V30120SG	TO-220AB	120	0.81	30	220	150	Single	No
	V30120SG-E3								
2 x 10	V20120C	TO-220AB	120	0.64	10	120	150	Common cathode	No
	V20120C-E3								
2 x 10	V20M120C	TO-220AB	120	0.64	10	120	175	Common cathode	No
2 x 10	V20M120M	TO-220AB	120	0.68	10	110	175	Common cathode	No
2 x 15	V30120C	TO-220AB	120	0.68	15	150	150	Common cathode	No
	V30120C-E3								
2 x 15	V30120CI	TO-220AB	120	0.66	15	160	150	Common cathode	No
2 x 15	V30M120C	TO-220AB	120	0.68	15	150	175	Common cathode	No
2 x 15	V30M120M	TO-220AB	120	0.7	15	120	175	Common cathode	No
2 x 20	V40120C	TO-220AB	120	0.63	20	250	150	Common cathode	No
2 x 20	V40120CI	TO-220AB	120	0.62	20	250	150	Common cathode	No
2 x 20	V40M120C	TO-220AB	120	0.64	20	250	175	Common cathode	No
2 x 20	VX40120C	TO-220AB	120	0.63	20	250	150	Common cathode	Yes
2 x 20	VX40M120C	TO-220AB	120	0.63	20	250	175	Common cathode	Yes
2 x 30	V60120C	TO-220AB	120	0.71	30	300	150	Common cathode	No
2 x 30	V60M120C	TO-220AB	120	0.69	30	300	175	Common cathode	No
2 x 30	VX60120C	TO-220AB	120	0.67	30	320	150	Common cathode	Yes



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RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max.	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)		(°C)		
2 x 30	VX60M120C	TO-220AB	120	0.67	30	320	175	Common cathode	Yes
10	V10150S	TO-220AB	150	0.69	10	120	150	Single	No
	V10150S-E3								
20	V20150S	TO-220AB	150	0.75	20	160	150	Single	No
	V20150S-E3								
20	V20150SG	TO-220AB	150	0.77	20	140	150	Single	No
	V20150SG-E3								
2 x 10	V20150C	TO-220AB	150	0.69	10	120	150	Common cathode	No
2 x 15	V30150C	TO-220AB	150	0.71	15	140	150	Common cathode	No
2 x 20	V40150C	TO-220AB	150	0.75	20	160	150	Common cathode	No
	V40150C-E3								
2 x 20	V40M150C	TO-220AB	150	0.75	20	160	175	Common cathode	No
2 x 5	V10150C	TO-220AB	150	0.69	5	60	150	Common cathode	No
	V10150C-E3								
2 x 10	VX20170C	TO-220AB	170	0.65	10	150	175	Common cathode	Yes
2 x 15	VX30170C	TO-220AB	170	0.65	15	260	175	Common cathode	Yes
2 x 20	V40170C	TO-220AB	170	0.68	20	200	175	Common cathode	No
2 x 30	V60170G	TO-220AB	170	0.72	30	210	175	Common cathode	No
2 x 5	V10170C	TO-220AB	170	0.65	5	80	175	Common cathode	No
2 x 10	V20200C	TO-220AB	200	0.68	10	120	150	Common cathode	No
2 x 10	V20200G	TO-220AB	200	0.71	10	110	150	Common cathode	No
2 x 10	V20202C	TO-220AB	200	0.68	10	150	175	Common cathode	No
2 x 10	V20202G	TO-220AB	200	0.71	10	130	175	Common cathode	No
2 x 10	VX20202C	TO-220AB	200	0.65	10	150	175	Common cathode	Yes
2 x 15	V30200C	TO-220AB	200	0.648	15	250	150	Common cathode	No
2 x 15	V30202C	TO-220AB	200	0.65	15	260	175	Common cathode	No
2 x 15	VX30202C	TO-220AB	200	0.65	15	260	175	Common cathode	Yes
2 x 5	VT10202C	TO-220AB	200	0.65	5	100	175	Common cathode	No
2 x 5	VT10200C-E3	TO-220AB	200	0.65	5	80	150	Common cathode	No
	VT10200C-M3								
10	VT1045BP	TO-220AC	45	0.52	10	100	200	Single	No
20	VT2045BP	TO-220AC	45	0.51	20	160	200	Single	No
30	VT3045BP	TO-220AC	45	0.51	30	200	200	Single	No
40	VT4045BP	TO-220AC	45	0.51	40	240	200	Single	No
7.5	VT760	TO-220AC	60	0.6	7.5	100	150	Single	No
	VT760-E3								
10	MBR1090	TO-220AC	90	See datasheet curve	10	150	150	Single	No



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
10	MBR10100	TO-220AC	100	See datasheet curve	10	150	150	Single	No
20	V20100SG	TO-220AC	100	0.75	20	150	150	Single	No
5	VT5200	TO-220AC	200	0.65	5	80	150	Single	No
5	VT5202	TO-220AC	200	0.65	5	100	175	Single	No
2 x 30	VX6045PW	TO-247AD 3L	45	0.43	30	350	150	Common cathode	Yes
2 x 30	VX60M45PW	TO-247AD 3L	45	0.47	30	350	175	Common cathode	Yes
2 x 40	VX8045PW	TO-247AD 3L	45	0.43	40	500	150	Common cathode	Yes
2 x 40	VX80M45PW	TO-247AD 3L	45	0.48	40	500	175	Common cathode	Yes
2 x 30	VX6060PW	TO-247AD 3L	60	0.49	30	350	150	Common cathode	Yes
2 x 30	VX60M60PW	TO-247AD 3L	60	0.52	30	350	175	Common cathode	Yes
2 x 40	VX8060PW	TO-247AD 3L	60	0.5	40	500	150	Common cathode	Yes
2 x 40	VX80M60PW	TO-247AD 3L	60	0.54	40	500	175	Common cathode	Yes
2 x 30	VX60100PW	TO-247AD 3L	100	0.64	30	350	150	Common cathode	Yes
2 x 30	VX60M100PW	TO-247AD 3L	100	0.65	30	350	175	Common cathode	Yes
2 x 40	VX80100PW	TO-247AD 3L	100	0.65	40	550	150	Common cathode	Yes
2 x 40	VX80M100PW	TO-247AD 3L	100	0.66	40	550	175	Common cathode	Yes
2 x 30	VX60M153PW	TO-247AD 3L	150	0.7	30	350	175	Common cathode	Yes
2 x 40	VX80153PW	TO-247AD 3L	150	0.69	40	500	150	Common cathode	Yes
2 x 30	VX60170PW	TO-247AD 3L	170	0.65	30	350	175	Common cathode	Yes
2 x 40	VX80170PW	TO-247AD 3L	170	0.68	40	500	175	Common cathode	Yes
2 x 30	VX60202PGW	TO-247AD 3L	200	0.74	30	300	175	Common cathode	Yes
2 x 30	VX60202PW	TO-247AD 3L	200	0.65	30	350	175	Common cathode	Yes
2 x 10	VIT2045C	TO-262AA	45	0.41	10	160	150	Common cathode	No
2 x 10	VIT2045CBP	TO-262AA	45	0.41	10	160	200	Common cathode	No
2 x 15	VIT3045C	TO-262AA	45	0.39	15	200	150	Common cathode	No
2 x 15	VIT3045CBP	TO-262AA	45	0.39	15	200	200	Common cathode	No
2 x 20	VIT4045C	TO-262AA	45	0.41	20	240	150	Common cathode	No
2 x 30	VIT6045C	TO-262AA	45	0.47	30	320	150	Common cathode	No
2 x 30	VIT6045CBP	TO-262AA	45	0.47	30	320	200	Common cathode	No
2 x 5	VIT1045C	TO-262AA	45	0.41	5	100	150	Common cathode	No
2 x 5	VIT1045CBP	TO-262AA	45	0.41	5	100	200	Common cathode	No
7.5	VIT760	TO-262AA	60	0.6	7.5	100	150	Single	No
	VIT760-E3								
2 x 10	VIT2060C	TO-262AA	60	0.52	10	150	150	Common cathode	No
	VIT2060C-E3								
2 x 10	VIT2060G	TO-262AA	60	0.63	10	100	150	Common cathode	No
	VIT2060G-E3								



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 15	VIT3060C	TO-262AA	60	0.57	15	170	150	Common cathode	No
	VIT3060C-E3								
2 x 15	VIT3060G	TO-262AA	60	0.61	15	150	150	Common cathode	No
	VIT3060G-E3								
2 x 15	VIT30L60C	TO-262AA	60	0.45	15	200	150	Common cathode	No
	VIT30L60C-E3								
2 x 20	VIT4060C	TO-262AA	60	0.48	20	240	150	Common cathode	No
	VIT4060C-E3								
2 x 5	VIT1060C	TO-262AA	60	0.5	5	100	150	Common cathode	No
	VIT1060C-E3								
10	VIT1080S	TO-262AA	80	0.6	10	100	150	Single	No
	VIT1080S-E3								
20	VIT2080S	TO-262AA	80	0.7	20	150	150	Single	No
	VIT2080S-E3								
30	VIT3080S	TO-262AA	80	0.73	30	200	150	Single	No
	VIT3080S-E3								
2 x 10	VIT2080C	TO-262AA	80	0.6	10	100	150	Common cathode	No
	VIT2080C-E3								
2 x 15	VIT3080C	TO-262AA	80	0.65	15	150	150	Common cathode	No
	VIT3080C-E3								
2 x 5	VIT1080C	TO-262AA	80	0.57	5	80	150	Common cathode	No
	VIT1080C-E3								
20	VI20100S	TO-262AA	100	0.69	20	250	150	Single	No
	VI20100S-E3								
20	VI20100SG	TO-262AA	100	0.75	20	150	150	Single	No
30	VI30100S	TO-262AA	100	0.69	30	250	150	Single	No
	VI30100S-E3								
30	VI30100SG	TO-262AA	100	0.76	30	250	150	Single	No
	VI30100SG-E3								
2 x 10	VI20100C	TO-262AA	100	0.58	10	150	150	Common cathode	No
	VI20100C-E3								
2 x 15	VI30100C	TO-262AA	100	0.63	15	160	150	Common cathode	No
	VI30100C-E3								
2 x 20	VI40100C	TO-262AA	100	0.61	20	250	150	Common cathode	No
	VI40100C-E3								
2 x 20	VI40100G	TO-262AA	100	0.67	20	200	150	Common cathode	No
	VI40100G-E3								
2 x 30	VI60100C	TO-262AA	100	0.66	30	320	150	Common cathode	No
20	VI20120S	TO-262AA	120	0.73	20	200	150	Single	No
	VI20120S-E3								



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
20	VI20120SG	TO-262AA	120	0.78	20	150	150	Single	No
	VI20120SG-E3								
30	VI30120S	TO-262AA	120	0.74	30	300	150	Single	No
	VI30120S-E3								
30	VI30120SG	TO-262AA	120	0.81	30	220	150	Single	No
	VI30120SG-E3								
2 x 10	VI20120C	TO-262AA	120	0.64	10	120	150	Common cathode	No
	VI20120C-E3								
2 x 10	VI20M120C	TO-262AA	120	0.64	10	120	175	Common cathode	No
2 x 15	VI30120C	TO-262AA	120	0.68	15	150	150	Common cathode	No
	VI30120C-E3								
2 x 15	VI30M120C	TO-262AA	120	0.68	15	150	175	Common cathode	No
2 x 20	VI40120C	TO-262AA	120	0.63	20	250	150	Common cathode	No
2 x 20	VI40M120C	TO-262AA	120	0.64	20	250	175	Common cathode	No
10	VI10150S	TO-262AA	150	0.69	10	120	150	Single	No
	VI10150S-E3								
20	VI20150S	TO-262AA	150	0.75	20	160	150	Single	No
	VI20150S-E3								
20	VI20150SG	TO-262AA	150	0.77	20	140	150	Single	No
	VI20150SG-E3								
2 x 10	VI20150C	TO-262AA	150	0.69	10	120	150	Common cathode	No
	VI20150C-E3								
2 x 15	VI30150C	TO-262AA	150	0.71	15	140	150	Common cathode	No
2 x 20	VB40150C	TO-262AA	150	0.75	20	160	150	Common cathode	No
	VB40150C-E3								
2 x 20	VI40150C	TO-262AA	150	0.75	20	160	150	Common cathode	No
	VI40150C-E3								
2 x 5	VI10150C	TO-262AA	150	0.69	5	60	150	Common cathode	No
	VI10150C-E3								
5	VIT5200	TO-262AA	200	0.65	5	80	150	Single	No
5	VIT5202	TO-262AA	200	0.65	5	100	175	Single	No
2 x 10	VI20200C	TO-262AA	200	0.68	10	120	150	Common cathode	No
2 x 10	VI20200G	TO-262AA	200	0.71	10	110	150	Common cathode	No
2 x 10	VI20202C	TO-262AA	200	0.68	10	150	175	Common cathode	No
2 x 10	VI20202G	TO-262AA	200	0.71	10	130	175	Common cathode	No
2 x 15	VI30200C	TO-262AA	200	0.648	15	250	150	Common cathode	No
2 x 15	VI30202C	TO-262AA	200	0.65	15	260	175	Common cathode	No
2 x 5	VIT10202C	TO-262AA	200	0.65	5	100	175	Common cathode	No
2 x 5	VIT10200C	TO-262AA	200	0.65	5	80	150	Common cathode	No



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Planar Schottky Rectifiers

Vishay Semiconductors High Performance Schottky diodes are offered with forward current ratings of 1 A to 175 A and voltage ratings of 10 V to 150 V, a wide range that covers virtually all Schottky applications. A complete portfolio of through-hole and SMD packages is available. In addition to our well-established standard planar Schottky technology, Vishay offers devices built on a second-generation Gen2.x planar technology that supports maximum junction temperatures up to 125 °C for OR-ing applications and up to 175 °C for most other applications requiring low leakage.

Each of these technologies offers specific advantages depending on the application, including superior efficiency, avalanche capability, and the ability to withstand voltage spikes. In addition, a new range of devices built using a halogen free molding compound is available.

Our AEC-Q101 qualified planar Schottky devices meet the highest standards of quality for automotive applications with electrical parameters tested according to PAT and SYL. Our automotive products use a dedicated die in the front end operation and a dedicated part number at the back end, with device selection based on PAT and SYL statistical criteria.

Target applications include on board electronics, ABS systems, power steering, and more.

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified	
			(V)	(V)	(A)					
19	VS-19TQ015	T0-220AC 2L	15	See datasheet curve		19	700	125	Single	No
20	VS-20L15T	T0-220AC 2L	15	0.25		19	700	125	Single	No
20	VS-STPS20L15D	T0-220AC 2L	15	0.25		19	700	125	Single	No
6	VS-6TQ035HN3	T0-220AC 2L	35	See datasheet curve		6	690	175	Single	Yes
6	VS-6TQ035-M3	T0-220AC 2L	35	See datasheet curve		6	690	175	Single	No
7.5	VS-MBR735	T0-220AC 2L	35	See datasheet curve		7.5	690	150	Single	No
10	VS-10TQ035HN3	T0-220AC 2L	35	See datasheet curve		10	1050	175	Single	Yes
10	VS-10TQ035-M3	T0-220AC 2L	35	See datasheet curve		10	1050	175	Single	No
10	VS-MBR1035	T0-220AC 2L	35	See datasheet curve		10	1060	150	Single	No
15	VS-12TQ035	T0-220AC 2L	35	See datasheet curve		15	990	150	Single	No
16	VS-MBR1635	T0-220AC 2L	35	See datasheet curve		16	1800	150	Single	No
18	VS-18TQ035HN3	T0-220AC 2L	35	See datasheet curve		18	1800	175	Single	Yes
18	VS-18TQ035-M3	T0-220AC 2L	35	See datasheet curve		18	1800	175	Single	No
20	VS-20TQ035	T0-220AC 2L	35	See datasheet curve		20	1800	150	Single	No
20	VS-20TQ035T	T0-220AC 2L	35	See datasheet curve		20	1800	150	Single	Yes
6	VS-6TQ040HN3	T0-220AC 2L	40	See datasheet curve		6	690	175	Single	Yes
6	VS-6TQ040-M3	T0-220AC 2L	40	See datasheet curve		6	690	175	Single	No
10	VS-10TQ040HN3	T0-220AC 2L	40	See datasheet curve		10	1050	175	Single	Yes
10	VS-10TQ040-M3	T0-220AC 2L	40	See datasheet curve		10	1050	175	Single	No
15	VS-12TQ040	T0-220AC 2L	40	See datasheet curve		15	990	150	Single	No
18	VS-18TQ040HN3	T0-220AC 2L	40	See datasheet curve		18	1800	175	Single	Yes
18	VS-18TQ040-M3	T0-220AC 2L	40	See datasheet curve		18	1800	175	Single	No
20	VS-20TQ040	T0-220AC 2L	40	See datasheet curve		20	1800	150	Single	No
20	VS-20TQ040T	T0-220AC 2L	40	See datasheet curve		20	1800	150	Single	Yes
6	VS-6TQ045HN3	T0-220AC 2L	45	See datasheet curve		6	690	175	Single	Yes



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
6	VS-6TQ045-M3	T0-220AC 2L	45	See datasheet curve	6	690	175	Single	No
7.5	VS-MBR745	T0-220AC 2L	45	See datasheet curve	7.5	690	150	Single	No
10	VS-10TQ045HN3	T0-220AC 2L	45	See datasheet curve	10	1050	175	Single	Yes
10	VS-10TQ045-M3	T0-220AC 2L	45	See datasheet curve	10	1050	175	Single	No
10	VS-MBR1045	T0-220AC 2L	45	See datasheet curve	10	1060	150	Single	No
15	VS-12TQ045	T0-220AC 2L	45	See datasheet curve	15	990	150	Single	No
16	VS-MBR1645	T0-220AC 2L	45	See datasheet curve	16	1800	150	Single	No
18	VS-18TQ045HN3	T0-220AC 2L	45	See datasheet curve	18	1800	175	Single	Yes
18	VS-18TQ045-M3	T0-220AC 2L	45	See datasheet curve	18	1800	175	Single	No
20	VS-20TQ045	T0-220AC 2L	45	See datasheet curve	20	1800	150	Single	No
20	VS-20TQ045T	T0-220AC 2L	45	See datasheet curve	20	1800	150	Single	Yes
8	VS-8TQ060	T0-220AC 2L	60	See datasheet curve	8	850	175	Single	No
15	VS-15TQ060	T0-220AC 2L	60	See datasheet curve	15	1000	150	Single	No
8	VS-8TQ080	T0-220AC 2L	80	See datasheet curve	8	850	175	Single	No
8	VS-8TQ100	T0-220AC 2L	100	See datasheet curve	8	850	175	Single	No
2 x 20	VS-40L15CT	T0-220AB 3L	15	0.25	19	700	125	Common cathode	No
2 x 20	VS-STPS40L15CT	T0-220AB 3L	15	0.25	19	700	125	Common cathode	No
2 x 20	VS-47CTQ020	T0-220AB 3L	20	See datasheet curve	20	1000	150	Common cathode	No
2 x 15	VS-25CTQ035	T0-220AB 3L	25	See datasheet curve	15	990	150	Common cathode	No
2 x 15	VS-32CTQ025	T0-220AB 3L	25	See datasheet curve	15	900	150	Common cathode	No
2 x 15	VS-32CTQ030	T0-220AB 3L	30	See datasheet curve	15	900	150	Common cathode	No
2 x 20	VS-42CTQ030	T0-220AB 3L	30	See datasheet curve	20	1100	150	Common cathode	No
2 x 30	VS-62CTQ030	T0-220AB 3L	30	0.39	30	1500	150	Common cathode	No
2 x 6	VS-12CTQ035	T0-220AB 3L	35	See datasheet curve	6	690	175	Common cathode	No
2 x 7.5	VS-15CTQ035	T0-220AB 3L	35	See datasheet curve	7.5	810	150	Common cathode	No
2 x 7.5	VS-MBR1535CT	T0-220AB 3L	35	See datasheet curve	7.5	690	150	Common cathode	No
2 x 10	VS-20CTQ035HN3	T0-220AB 3L	35	See datasheet curve	10	1060	175	Common cathode	Yes
2 x 10	VS-20CTQ035-M3	T0-220AB 3L	35	See datasheet curve	10	1060	175	Common cathode	No
2 x 10	VS-MBR2035CTHN3	T0-220AB 3L	35	See datasheet curve	10	1060	150	Common cathode	Yes
2 x 10	VS-MBR2035CT-M3	T0-220AB 3L	35	See datasheet curve	10	1060	150	Common cathode	No
2 x 15	VS-30CTQ035	T0-220AB 3L	35	See datasheet curve	15	1060	175	Common cathode	No
2 x 15	VS-MBR2535CT	T0-220AB 3L	35	See datasheet curve	15	1060	150	Common cathode	No
2 x 30	VS-60CTQ035	T0-220AB 3L	35	0.48	30	1500	150	Common cathode	No
2 x 30	VS-61CTQ035	T0-220AB 3L	35	0.53	30	2600	175	Common cathode	No
2 x 6	VS-12CTQ040	T0-220AB 3L	40	See datasheet curve	6	690	175	Common cathode	No
2 x 7.5	VS-15CTQ040	T0-220AB 3L	40	See datasheet curve	7.5	810	150	Common cathode	No
2 x 10	VS-20CTQ040HN3	T0-220AB 3L	40	See datasheet curve	10	1060	175	Common cathode	Yes
2 x 10	VS-20CTQ040-M3	T0-220AB 3L	40	See datasheet curve	10	1060	175	Common cathode	No
2 x 15	VS-25CTQ040	T0-220AB 3L	40	See datasheet curve	15	990	150	Common cathode	No
2 x 15	VS-30CTQ040	T0-220AB 3L	40	See datasheet curve	15	1060	175	Common cathode	No
2 x 30	VS-60CTQ040	T0-220AB 3L	40	0.48	30	1500	150	Common cathode	No



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
2 x 30	VS-61CTQ040	TO-220AB 3L	40	0.53	30	2600	175	Common cathode	No	
2 x 6	VS12CTQ045	TO-220AB 3L	45	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	VS-15CTQ045	TO-220AB 3L	45	See datasheet curve	7.5	810	150	Common cathode	No	
2 x 7.5	VS-MBR1545CT	TO-220AB 3L	45	See datasheet curve	7.5	690	150	Common cathode	No	
2 x 10	VS-20CTQ045HN3	TO-220AB 3L	45	See datasheet curve	10	1060	175	Common cathode	Yes	
2 x 10	VS-20CTQ045-M3	TO-220AB 3L	45	See datasheet curve	10	1060	175	Common cathode	No	
2 x 10	VS-MBR2045CTHN3	TO-220AB 3L	45	See datasheet curve	10	1060	150	Common cathode	Yes	
2 x 10	VS-MBR2045CT-M3	TO-220AB 3L	45	See datasheet curve	10	1060	150	Common cathode	No	
2 x 15	VS-25CTQ045	TO-220AB 3L	45	See datasheet curve	15	990	150	Common cathode	No	
2 x 15	VS-30CTQ045	TO-220AB 3L	45	See datasheet curve	15	1060	175	Common cathode	No	
2 x 15	VS-MBR2545CT	TO-220AB 3L	45	See datasheet curve	15	1060	150	Common cathode	No	
2 x 15	VS-MBR3045CT	TO-220AB 3L	45	See datasheet curve	15	1020	150	Common cathode	No	
2 x 20	VS-40CTQ045HN3	TO-220AB 3L	45	See datasheet curve	20	1240	150	Common cathode	Yes	
2 x 20	VS-40CTQ045-M3	TO-220AB 3L	45	See datasheet curve	20	1240	150	Common cathode	No	
2 x 20	VS-MBR4045CT	TO-220AB 3L	45	See datasheet curve	20	900	150	Common cathode	No	
2 x 30	VS-60CTQ045	TO-220AB 3L	45	0.48	30	1500	150	Common cathode	No	
2 x 30	VS-61CTQ045	TO-220AB 3L	45	0.53	30	2600	175	Common cathode	No	
2 x 15	VS-30CTQ050	TO-220AB 3L	50	See datasheet curve	15	1000	150	Common cathode	No	
2 x 8	VS-16CTQ060HN3	TO-220AB 3L	60	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ060-M3	TO-220AB 3L	60	See datasheet curve	8	850	175	Common cathode	No	
2 x 15	VS-30CTQ060	TO-220AB 3L	60	See datasheet curve	15	1000	150	Common cathode	No	
2 x 20	VS-48CTQ060	TO-220AB 3L	60	See datasheet curve	20	1000	150	Common cathode	No	
2 x 8	VS-16CTQ080HN3	TO-220AB 3L	80	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ080-M3	TO-220AB 3L	80	See datasheet curve	8	850	175	Common cathode	No	
2 x 10	VS-MBR2080CT	TO-220AB 3L	80	See datasheet curve	10	850	150	Common cathode	No	
2 x 15	VS-30CTQ080	TO-220AB 3L	80	See datasheet curve	15	850	175	Common cathode	No	
2 x 10	VS-MBR2090CT	TO-220AB 3L	90	See datasheet curve	10	850	150	Common cathode	No	
2 x 8	VS-16CTQ100-HN3	TO-220AB 3L	100	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ100-M3	TO-220AB 3L	100	See datasheet curve	8	850	175	Common cathode	No	
2 x 10	VS-MBR20100CT	TO-220AB 3L	100	See datasheet curve	10	850	150	Common cathode	No	
2 x 15	VS-30CTQ100	TO-220AB 3L	100	See datasheet curve	15	850	175	Common cathode	No	
2 x 20	VS-43CTQ100HN3	TO-220AB 3L	100	See datasheet curve	20	850	175	Common cathode	Yes	
2 x 20	VS-43CTQ100-M3	TO-220AB 3L	100	See datasheet curve	20	850	175	Common cathode	No	
2 x 30	VS-63CTQ100	TO-220AB 3L	100	0.64	30	1500	175	Common cathode	No	
2 x 5	VS-10CTQ150	TO-220AB 3L	150	See datasheet curve	5	620	175	Common cathode	No	
2 x 10	VS-20CTQ150	TO-220AB 3L	150	See datasheet curve	10	1030	175	Common cathode	No	
2 x 20	VS-40CTQ150	TO-220AB 3L	150	See datasheet curve	20	1500	175	Common cathode	No	
2 x 30	VS-60CTQ150HN3	TO-220AB 3L	150	0.67	30	710	175	Common cathode	Yes	
2 x 30	VS-60CTQ150-M3	TO-220AB 3L	150	0.67	30	710	175	Common cathode	No	
19	VS-19TQ015S	D ² PAK (TO-263AB)	15	See datasheet curve	19	700	125	Single	No	
20	VS-20L15TS	D ² PAK (TO-263AB)	15	0.25	20	700	125	Single	No	



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
20	VS-STPS20L15G	D ² PAK (TO-263AB)	15	0.25	20	700	125	Single	No
2 x 20	VS-40L15CTS	D ² PAK (TO-263AB)	15	0.25	19	700	125	Common cathode	No
2 x 20	VS-47CTQ020S	D ² PAK (TO-263AB)	20	See datasheet curve	20	1000	150	Common cathode	No
10	SBLB10L25	D ² PAK (TO-263AB)	25	See datasheet curve	10	240	150	Single	Yes
2 x 15	VS-32CTQ025SHM3	D ² PAK (TO-263AB)	25	See datasheet curve	15	900	150	Common cathode	Yes
2 x 15	VS-32CTQ025S-M3	D ² PAK (TO-263AB)	25	See datasheet curve	15	900	150	Common cathode	No
2 x 12.5	SBLB25L30CT	D ² PAK (TO-263AB)	30	See datasheet curve	12.5	180	150	Common cathode	Yes
2 x 15	VS-32CTQ030SHM3	D ² PAK (TO-263AB)	30	See datasheet curve	15	900	150	Common cathode	Yes
2 x 15	VS-32CTQ030S-M3	D ² PAK (TO-263AB)	30	See datasheet curve	15	900	150	Common cathode	No
2 x 15	VS-MBRB3030CTL	D ² PAK (TO-263AB)	30	See datasheet curve	15	1100	150	Common cathode	No
2 x 20	VS-42CTQ030SHM3	D ² PAK (TO-263AB)	30	See datasheet curve	20	1100	150	Common cathode	Yes
2 x 20	VS-42CTQ030S-M3	D ² PAK (TO-263AB)	30	See datasheet curve	20	1100	150	Common cathode	No
6	VS-6TQ035S	D ² PAK (TO-263AB)	35	See datasheet curve	6	690	175	Single	No
7.5	VS-MBRB735	D ² PAK (TO-263AB)	35	See datasheet curve	7.5	690	150	Single	No
10	VS-10TQ035SHM3	D ² PAK (TO-263AB)	35	See datasheet curve	10	1050	175	Single	Yes
10	VS-10TQ035S-M3	D ² PAK (TO-263AB)	35	See datasheet curve	10	1050	175	Single	No
10	VS-MBRB1035HM3	D ² PAK (TO-263AB)	35	See datasheet curve	10	1060	150	Single	Yes
10	S-MBRB1035-M3	D ² PAK (TO-263AB)	35	See datasheet curve	10	1060	150	Single	No
15	VS-12TQ035SHM3	D ² PAK (TO-263AB)	35	See datasheet curve	15	990	150	Single	Yes
15	S-12TQ035S-M3	D ² PAK (TO-263AB)	35	See datasheet curve	15	990	150	Single	No
16	MBRB1635	D ² PAK (TO-263AB)	35	See datasheet curve	16	150	150	Single	Yes
16	MBRB16H35	D ² PAK (TO-263AB)	35	0.52	16	150	175	Single	Yes
16	VS-MBRB1635	D ² PAK (TO-263AB)	35	See datasheet curve	16	1800	150	Single	No
18	VS-18TQ035SHM3	D ² PAK (TO-263AB)	35	See datasheet curve	18	1800	175	Single	Yes
18	VS-18TQ035S-M3	D ² PAK (TO-263AB)	35	See datasheet curve	18	1800	175	Single	No
20	VS-20TQ035SHM3	D ² PAK (TO-263AB)	35	See datasheet curve	20	1800	150	Single	Yes
20	VS-20TQ035S-M3	D ² PAK (TO-263AB)	35	See datasheet curve	20	1800	150	Single	No
2 x 6	VS-12CTQ035S	D ² PAK (TO-263AB)	35	See datasheet curve	6	690	175	Common cathode	No
2 x 7.5	VS-15CTQ035S	D ² PAK (TO-263AB)	35	See datasheet curve	7.5	810	150	Common cathode	No
2 x 7.5	VS-MBRB1535CT	D ² PAK (TO-263AB)	35	See datasheet curve	7.5	690	150	Common cathode	No
2 x 10	VS-20CTQ035S	D ² PAK (TO-263AB)	35	See datasheet curve	10	1060	175	Common cathode	No
2 x 10	VS-MBRB2035CT	D ² PAK (TO-263AB)	35	See datasheet curve	10	1060	150	Common cathode	No
2 x 15	MBRB25H35CT	D ² PAK (TO-263AB)	35	0.5	15	150	175	Common cathode	Yes
2 x 15	VS-25CTQ035S	D ² PAK (TO-263AB)	35	See datasheet curve	15	990	150	Common cathode	Yes
2 x 15	VS-30CTQ035SHM3	D ² PAK (TO-263AB)	35	See datasheet curve	15	1060	175	Common cathode	Yes
2 x 15	VS-30CTQ035S-M3	D ² PAK (TO-263AB)	35	See datasheet curve	15	1060	175	Common cathode	No
2 x 15	VS-MBRB2535CT	D ² PAK (TO-263AB)	35	See datasheet curve	15	1060	150	Common cathode	No
2 x 15	VS-MBRB3035CT	D ² PAK (TO-263AB)	35	See datasheet curve	15	1020	150	Common cathode	No
6	VS-6TQ040S	D ² PAK (TO-263AB)	40	See datasheet curve	6	690	175	Single	No
15	VS-12TQ040SHM3	D ² PAK (TO-263AB)	40	See datasheet curve	15	990	150	Single	Yes
15	VS-12TQ040S-M3	D ² PAK (TO-263AB)	40	See datasheet curve	15	990	150	Single	No



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
18	VS-18TQ040SHM3	D ² PAK (TO-263AB)	40	See datasheet curve	18	1800	175	Single	Yes	
18	VS-18TQ040S-M3	D ² PAK (TO-263AB)	40	See datasheet curve	18	1800	175	Single	No	
20	VS-20TQ040SHM3	D ² PAK (TO-263AB)	40	See datasheet curve	20	1800	150	Single	Yes	
20	VS-20TQ040S-M3	D ² PAK (TO-263AB)	40	See datasheet curve	20	1800	150	Single	No	
2 x 5	SBLB1040CT	D ² PAK (TO-263AB)	40	See datasheet curve	5	175	125	Common cathode	Yes	
2 x 6	VS-12CTQ040S	D ² PAK (TO-263AB)	40	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	VS-15CTQ040S	D ² PAK (TO-263AB)	40	See datasheet curve	7.5	810	150	Common cathode	No	
2 x 8	SBLB1640CT	D ² PAK (TO-263AB)	40	See datasheet curve	8	250	125	Common cathode	Yes	
2 x 10	VS-20CTQ040S	D ² PAK (TO-263AB)	40	See datasheet curve	10	1060	175	Common cathode	No	
2 x 15	VS-25CTQ040S	D ² PAK (TO-263AB)	40	See datasheet curve	15	990	150	Common cathode	Yes	
2 x 15	VS-30CTQ040SHM3	D ² PAK (TO-263AB)	40	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ040S-M3	D ² PAK (TO-263AB)	40	See datasheet curve	15	1060	175	Common cathode	No	
6	VS-6TQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	6	690	175	Single	No	
7.5	MBRB745	D ² PAK (TO-263AB)	45	See datasheet curve	7.5	150	150	Single	Yes	
7.5	VS-MBRB745	D ² PAK (TO-263AB)	45	See datasheet curve	7.5	690	150	Single	No	
10	MBRB1045	D ² PAK (TO-263AB)	45	See datasheet curve	10	150	150	Single	Yes	
10	VS-10TQ045SHM3	D ² PAK (TO-263AB)	45	See datasheet curve	10	1050	175	Single	Yes	
10	VS-10TQ045S-M3	D ² PAK (TO-263AB)	45	See datasheet curve	10	1050	175	Single	No	
10	VS-MBRB1045HM3	D ² PAK (TO-263AB)	45	See datasheet curve	10	1060	150	Single	Yes	
10	VS-MBRB1045-M3	D ² PAK (TO-263AB)	45	See datasheet curve	10	1060	150	Single	No	
15	VS-12TQ045SHM3	D ² PAK (TO-263AB)	45	See datasheet curve	15	990	150	Single	Yes	
15	VS-12TQ045S-M3	D ² PAK (TO-263AB)	45	See datasheet curve	15	990	150	Single	No	
16	MBRB1645	D ² PAK (TO-263AB)	45	See datasheet curve	16	150	150	Single	Yes	
16	MBRB16H45	D ² PAK (TO-263AB)	45	0.52	16	150	175	Single	Yes	
16	VS-MBRB1645	D ² PAK (TO-263AB)	45	See datasheet curve	16	1800	150	Single	No	
18	VS-18TQ045SHM3	D ² PAK (TO-263AB)	45	See datasheet curve	18	1800	175	Single	Yes	
18	VS-18TQ045S-M3	D ² PAK (TO-263AB)	45	See datasheet curve	18	1800	175	Single	No	
20	VS-20TQ045SHM3	D ² PAK (TO-263AB)	45	See datasheet curve	20	1800	150	Single	Yes	
20	VS-20TQ045S-M3	D ² PAK (TO-263AB)	45	See datasheet curve	20	1800	150	Single	No	
2 x 6	VS-12CTQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	MBRB1545CT	D ² PAK (TO-263AB)	45	See datasheet curve	7.5	150	150	Common cathode	Yes	
2 x 7.5	VS-15CTQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	7.5	810	150	Common cathode	No	
2 x 7.5	VS-MBRB1545CT	D ² PAK (TO-263AB)	45	See datasheet curve	7.5	690	150	Common cathode	No	
2 x 10	MBRB2045CT	D ² PAK (TO-263AB)	45	See datasheet curve	10	150	150	Common cathode	Yes	
2 x 10	VS-MBRB2045CT	D ² PAK (TO-263AB)	45	See datasheet curve	10	1060	150	Common cathode	No	
2 x 10	VS-20CTQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	10	1060	175	Common cathode	No	
2 x 12.5	MBRB2545CT	D ² PAK (TO-263AB)	45	See datasheet curve	12.5	150	150	Common cathode	Yes	
2 x 15	MBRB25H45CT	D ² PAK (TO-263AB)	45	0.5	15	150	175	Common cathode	Yes	
2 x 15	MBRB3045CT	D ² PAK (TO-263AB)	45	See datasheet curve	15	200	150	Common cathode	Yes	
2 x 15	MBRB30H45CT	D ² PAK (TO-263AB)	45	0.49	15	150	175	Common cathode	Yes	
2 x 15	VS-25CTQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	15	990	150	Common cathode	Yes	



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 15	VS-30CTQ045SHM3	D ² PAK (TO-263AB)	45	See datasheet curve	15	1060	175	Common cathode	Yes
2 x 15	VS-30CTQ045S-M3	D ² PAK (TO-263AB)	45	See datasheet curve	15	1060	175	Common cathode	No
2 x 15	VS-MBRB2545CT	D ² PAK (TO-263AB)	45	See datasheet curve	15	1060	150	Common cathode	No
2 x 15	VS-MBRB3045CT	D ² PAK (TO-263AB)	45	See datasheet curve	15	1020	150	Common cathode	No
2 x 20	VS-40CTQ045S	D ² PAK (TO-263AB)	45	See datasheet curve	20	1240	150	Common cathode	No
2 x 20	VS-MBRB4045CTHM3	D ² PAK (TO-263AB)	45	See datasheet curve	20	900	150	Common cathode	Yes
2 x 20	VS-MBRB4045CT-M3	D ² PAK (TO-263AB)	45	See datasheet curve	20	900	150	Common cathode	No
2 x 15	VS-30CTQ050S	D ² PAK (TO-263AB)	50	See datasheet curve	15	1000	150	Common cathode	No
7.5	MBRB760	D ² PAK (TO-263AB)	60	See datasheet curve	7.5	150	150	Single	Yes
10	MBRB1060	D ² PAK (TO-263AB)	60	See datasheet curve	10	150	150	Single	Yes
10	MBRB10H60	D ² PAK (TO-263AB)	60	0.57	10	150	175	Single	Yes
15	VS-15TQ060SHM3	D ² PAK (TO-263AB)	60	See datasheet curve	15	1000	150	Single	Yes
15	VS-15TQ060S-M3	D ² PAK (TO-263AB)	60	See datasheet curve	15	1000	150	Single	No
16	MBRB1660	D ² PAK (TO-263AB)	60	See datasheet curve	16	150	150	Single	Yes
16	MBRB16H60	D ² PAK (TO-263AB)	60	0.58	16	150	175	Single	Yes
2 x 7.5	MBRB1560CT	D ² PAK (TO-263AB)	60	See datasheet curve	7.5	150	150	Common cathode	Yes
2 x 8	VS-16CTQ060S	D ² PAK (TO-263AB)	60	See datasheet curve	8	850	175	Common cathode	Yes
2 x 10	MBRB2060CT	D ² PAK (TO-263AB)	60	See datasheet curve	10	150	150	Common cathode	Yes
2 x 10	MBRB20H60CT	D ² PAK (TO-263AB)	60	0.57	10	150	175	Common cathode	Yes
2 x 12.5	MBRB2560CT	D ² PAK (TO-263AB)	60	See datasheet curve	12.5	150	150	Common cathode	No
2 x 15	MBRB25H60CT	D ² PAK (TO-263AB)	60	0.56	15	150	175	Common cathode	Yes
2 x 15	MBRB30H60CT	D ² PAK (TO-263AB)	60	0.55	15	150	175	Common cathode	Yes
2 x 15	VS-30CTQ060S	D ² PAK (TO-263AB)	60	See datasheet curve	15	1000	150	Common cathode	No
2 x 20	VS-48CTQ060S	D ² PAK (TO-263AB)	60	See datasheet curve	20	1000	150	Common cathode	No
8	VS-8TQ080SHM3	D ² PAK (TO-263AB)	80	See datasheet curve	8	850	175	Single	Yes
8	VS-8TQ080S-M3	D ² PAK (TO-263AB)	80	See datasheet curve	8	850	175	Single	No
2 x 8	VS-16CTQ080S	D ² PAK (TO-263AB)	80	See datasheet curve	8	850	175	Common cathode	Yes
2 x 10	VS-MBRB2080CTHM3	D ² PAK (TO-263AB)	80	See datasheet curve	10	850	150	Common cathode	Yes
2 x 10	VS-MBRB2080CT-M3	D ² PAK (TO-263AB)	80	See datasheet curve	10	850	150	Common cathode	No
2 x 15	VS-30CTQ080S	D ² PAK (TO-263AB)	80	See datasheet curve	15	850	175	Common cathode	No
2 x 20	VS-43CTQ080SHM3	D ² PAK (TO-263AB)	80	See datasheet curve	20	850	175	Common cathode	Yes
2 x 20	VS-43CTQ080S-M3	D ² PAK (TO-263AB)	80	See datasheet curve	20	850	175	Common cathode	No
2 x 10	VS-MBRB2090CTHM3	D ² PAK (TO-263AB)	90	See datasheet curve	10	850	150	Common cathode	Yes
2 x 10	VS-MBRB2090CT-M3	D ² PAK (TO-263AB)	90	See datasheet curve	10	850	150	Common cathode	No
8	VS-8TQ100SHM3	D ² PAK (TO-263AB)	100	See datasheet curve	8	850	175	Single	Yes
8	VS-8TQ100S-M3	D ² PAK (TO-263AB)	100	See datasheet curve	8	850	175	Single	No
10	MB10H100	D ² PAK (TO-263AB)	100	See datasheet curve	10	250	175	Single	Yes
10	MBRB10H100	D ² PAK (TO-263AB)	100	See datasheet curve	10	250	175	Single	No
2 x 5	MB10H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	5	150	175	Common cathode	Yes
2 x 5	MBRB10H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	5	150	175	Common cathode	No
2 x 8	VS-16CTQ100S	D ² PAK (TO-263AB)	100	See datasheet curve	8	850	175	Common cathode	Yes



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 10	MB20H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	10	250	175	Common cathode	Yes
2 x 10	MBRB20H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	10	250	175	Common cathode	No
2 x 10	VS-MBRB20100CTHM3	D ² PAK (TO-263AB)	100	See datasheet curve	10	850	150	Common cathode	Yes
2 x 10	VS-MBRB20100CT-M3	D ² PAK (TO-263AB)	100	See datasheet curve	10	850	150	Common cathode	No
2 x 15	VS-30CTQ080S	D ² PAK (TO-263AB)	100	See datasheet curve	15	850	175	Common cathode	No
2 x 15	MB30H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	15	275	175	Common cathode	Yes
2 x 15	MBRB30H100CT	D ² PAK (TO-263AB)	100	See datasheet curve	15	275	175	Common cathode	No
2 x 20	VS-43CTQ100SHM3	D ² PAK (TO-263AB)	100	See datasheet curve	20	850	175	Common cathode	Yes
2 x 20	VS-43CTQ100S-M3	D ² PAK (TO-263AB)	100	See datasheet curve	20	850	175	Common cathode	No
2 x 5	VS-10CTQ150S	D ² PAK (TO-263AB)	150	See datasheet curve	5	620	175	Common cathode	No
2 x 10	VS-20CTQ150SHM3	D ² PAK (TO-263AB)	150	See datasheet curve	10	1030	175	Common cathode	Yes
2 x 10	VS-20CTQ150S-M3	D ² PAK (TO-263AB)	150	See datasheet curve	10	1030	175	Common cathode	No
2 x 20	VS-40CTQ150SHM3	D ² PAK (TO-263AB)	150	See datasheet curve	20	1500	175	Common cathode	Yes
2 x 20	VS-40CTQ150S-M3	D ² PAK (TO-263AB)	150	See datasheet curve	20	1500	175	Common cathode	No
2	SB220	DO-15 (DO-204AC)	20	See datasheet curve	2	60	125	Single	No
2	SB230	DO-15 (DO-204AC)	30	See datasheet curve	2	60	125	Single	No
2	SB240	DO-15 (DO-204AC)	40	See datasheet curve	2	60	125	Single	No
2	SB250	DO-15 (DO-204AC)	50	See datasheet curve	2	60	150	Single	No
2	SB260	DO-15 (DO-204AC)	60	See datasheet curve	2	60	150	Single	No
2	SB2H90	DO-15 (DO-204AC)	90	See datasheet curve	2	75	175	Single	No
2	SB2H100	DO-15 (DO-204AC)	100	See datasheet curve	2	75	175	Single	No
3	1N5820	DO-201AD	20	See datasheet curve	3	80	125	Single	No
3	SB320	DO-201AD	20	See datasheet curve	3	120	125	Single	No
5	SB520	DO-201AD	20	See datasheet curve	5	220	150	Single	No
5	SB520A	DO-201AD	20	See datasheet curve	5	150	150	Single	No
3	1N5821	DO-201AD	30	See datasheet curve	3	80	125	Single	No
3	SB330	DO-201AD	30	See datasheet curve	3	120	125	Single	No
5	SB530	DO-201AD	30	See datasheet curve	5	220	150	Single	No
5	SB530A	DO-201AD	30	See datasheet curve	5	150	150	Single	No
3	1N5822	DO-201AD	40	See datasheet curve	3	80	125	Single	No
3	SB340	DO-201AD	40	See datasheet curve	3	120	125	Single	No
5	SB540	DO-201AD	40	See datasheet curve	5	220	150	Single	No
5	SB540A	DO-201AD	40	See datasheet curve	5	150	150	Single	No
3	SB350	DO-201AD	50	See datasheet curve	3	120	150	Single	No
5	SB550	DO-201AD	50	See datasheet curve	5	220	150	Single	No
5	SB550A	DO-201AD	50	See datasheet curve	5	150	150	Single	No
3	SB360	DO-201AD	60	See datasheet curve	3	120	150	Single	No
5	SB560	DO-201AD	60	See datasheet curve	5	220	150	Single	No
5	SB560A	DO-201AD	60	See datasheet curve	5	150	150	Single	No
3	SB3H90	DO-201AD	90	See datasheet curve	3	100	175	Single	No
5	SB5H90	DO-201AD	90	See datasheet curve	5	200	175	Single	No



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RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
3	SB3H100	DO-201AD	100	See datasheet curve	3	100	175	Single	No	
5	SB5H100	DO-201AD	100	See datasheet curve	5	200	175	Single	No	
1	SB110	DO-41 (DO-204AL)	10	See datasheet curve	1	50	125	Single	No	
1	1N5817	DO-41 (DO-204AL)	20	See datasheet curve	1	25	125	Single	No	
1	SB120	DO-41 (DO-204AL)	20	See datasheet curve	1	50	125	Single	No	
2	SB220S	DO-41 (DO-204AL)	20	See datasheet curve	2	50	125	Single	No	
1	1N5818	DO-41 (DO-204AL)	30	See datasheet curve	1	25	125	Single	No	
1	SB130	DO-41 (DO-204AL)	30	See datasheet curve	1	50	125	Single	No	
2	SB230S	DO-41 (DO-204AL)	30	See datasheet curve	2	50	125	Single	No	
1	1N5819	DO-41 (DO-204AL)	40	See datasheet curve	1	25	125	Single	No	
1	SB140	DO-41 (DO-204AL)	40	See datasheet curve	1	50	150	Single	No	
2	SB240S	DO-41 (DO-204AL)	40	See datasheet curve	2	50	125	Single	No	
1	SB150	DO-41 (DO-204AL)	50	See datasheet curve	1	50	150	Single	No	
2	SB250S	DO-41 (DO-204AL)	50	See datasheet curve	2	50	150	Single	No	
1	SB160	DO-41 (DO-204AL)	60	See datasheet curve	1	50	150	Single	No	
2	SB260S	DO-41 (DO-204AL)	60	See datasheet curve	2	50	150	Single	No	
1	SB1H90	DO-41 (DO-204AL)	90	See datasheet curve	1	50	175	Single	No	
1	SB1H100	DO-41 (DO-204AL)	100	See datasheet curve	1	50	175	Single	No	
3	VS-MBRD320	DPAK (TO-252AA)	20	0.41	3	490	150	Single	No	
3	VS-MBRD330	DPAK (TO-252AA)	30	0.41	3	490	150	Single	No	
3.5	VS-30WQ03FN	DPAK (TO-252AA)	30	See datasheet curve	3.5	535	150	Single	No	
5.5	VS-50WQ03FNHM3	DPAK (TO-252AA)	30	See datasheet curve	5	320	150	Single	Yes	
5.5	VS-50WQ03FN-M3	DPAK (TO-252AA)	30	See datasheet curve	5	320	150	Single	No	
2 x 3.5	VS-6CWQ03FN	DPAK (TO-252AA)	30	See datasheet curve	3	535	150	Common cathode	No	
2 x 6	VS-12CWQ03FN	DPAK (TO-252AA)	30	See datasheet curve	6	320	150	Common cathode	No	
3	VS-MBRD340	DPAK (TO-252AA)	40	0.41	3	490	150	Single	No	
3.5	VS-30WQ04FNHM3	DPAK (TO-252AA)	40	See datasheet curve	3	500	150	Single	Yes	
3.5	VS-30WQ04FN-M3	DPAK (TO-252AA)	40	See datasheet curve	3	500	150	Single	No	
5.5	VS-50WQ04FNHM3	DPAK (TO-252AA)	40	See datasheet curve	5	340	150	Single	Yes	
5.5	VS-50WQ04FN-M3	DPAK (TO-252AA)	40	See datasheet curve	5	340	150	Single	No	
2 x 3.5	VS-6CWQ04FNHM3	DPAK (TO-252AA)	40	See datasheet curve	3	500	150	Common cathode	Yes	
2 x 3.5	VS-6CWQ04FN-M3	DPAK (TO-252AA)	40	See datasheet curve	3	500	150	Common cathode	No	
2 x 6	VS-12CWQ04FNHM3	DPAK (TO-252AA)	40	See datasheet curve	6	550	150	Common cathode	Yes	
2 x 6	VS-12CWQ04FN-M3	DPAK (TO-252AA)	40	See datasheet curve	6	550	150	Common cathode	No	
10	VS-10WQ045FNHM3	DPAK (TO-252AA)	45	See datasheet curve	10	400	175	Single	Yes	
10	VS-10WQ045FN-M3	DPAK (TO-252AA)	45	See datasheet curve	10	400	175	Single	No	
10	VS-STPS1045B	DPAK (TO-252AA)	45	See datasheet curve	10	390	175	Single	No	
2 x 3	VS-MBRD650CT	DPAK (TO-252AA)	50	See datasheet curve	3	490	150	Common cathode	No	
3.5	VS-30WQ06FNHM3	DPAK (TO-252AA)	60	See datasheet curve	3	490	150	Single	Yes	
3.5	VS-30WQ06FN-M3	DPAK (TO-252AA)	60	See datasheet curve	3	490	150	Single	No	
5.5	VS-50WQ06FNHM3	DPAK (TO-252AA)	60	See datasheet curve	5	320	150	Single	Yes	



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
5.5	VS-50WQ06FN-M3	DPAK (TO-252AA)	60	See datasheet curve	5	320	150	Single	No	
2 x 3	VS-MBRD660CT	DPAK (TO-252AA)	60	See datasheet curve	3	490	150	Common cathode	No	
2 x 3.5	VS-6CWQ06FNHM3	DPAK (TO-252AA)	60	See datasheet curve	3	490	150	Common cathode	Yes	
2 x 3.5	VS-6CWQ06FN-M3	DPAK (TO-252AA)	60	See datasheet curve	3	490	150	Common cathode	No	
2 x 6	VS-12CWQ06FNHM3	DPAK (TO-252AA)	60	See datasheet curve	6	320	150	Common cathode	Yes	
2 x 6	VS-12CWQ06FN-M3	DPAK (TO-252AA)	60	See datasheet curve	6	320	150	Common cathode	No	
3.5	VS-30WQ10FNHM3	DPAK (TO-252AA)	100	See datasheet curve	3	440	150	Single	Yes	
3.5	VS-30WQ10FN-M3	DPAK (TO-252AA)	100	See datasheet curve	3	440	150	Single	No	
5.5	VS-50WQ10FNHM3	DPAK (TO-252AA)	100	See datasheet curve	5	330	150	Single	Yes	
5.5	VS-50WQ10FN-M3	DPAK (TO-252AA)	100	See datasheet curve	5	330	150	Single	No	
2 x 3.5	VS-6CWQ10FNHM3	DPAK (TO-252AA)	100	See datasheet curve	3	440	150	Common cathode	Yes	
2 x 3.5	VS-6CWQ10FN-M3	DPAK (TO-252AA)	100	See datasheet curve	3	440	150	Common cathode	No	
2 x 6	VS-12CWQ10FNHM3	DPAK (TO-252AA)	100	See datasheet curve	6	330	150	Common cathode	Yes	
2 x 6	VS-12CWQ10FN-M3	DPAK (TO-252AA)	100	See datasheet curve	6	330	150	Common cathode	No	
1	BYM13-20	GL41 (DO-213AB)	20	See datasheet curve	1	30	125	Single	Yes	
1	SGL41-20	GL41 (DO-213AB)	20	See datasheet curve	1	30	125	Single	Yes	
1	BYM13-30	GL41 (DO-213AB)	30	See datasheet curve	1	30	125	Single	Yes	
1	SGL41-30	GL41 (DO-213AB)	30	See datasheet curve	1	30	125	Single	Yes	
1	BYM13-40	GL41 (DO-213AB)	40	See datasheet curve	1	30	125	Single	Yes	
1	SGL41-40	GL41 (DO-213AB)	40	See datasheet curve	1	30	125	Single	Yes	
1	BYM13-50	GL41 (DO-213AB)	50	See datasheet curve	1	30	150	Single	Yes	
1	SGL41-50	GL41 (DO-213AB)	50	See datasheet curve	1	30	150	Single	Yes	
1	BYM13-60	GL41 (DO-213AB)	60	See datasheet curve	1	30	150	Single	Yes	
1	SGL41-60	GL41 (DO-213AB)	60	See datasheet curve	1	30	150	Single	Yes	
2 x 12.5	SBLF25L30CT	ITO-220AB	30	See datasheet curve	12.5	180	150	Common cathode	Yes	
2 x 7.5	MBRF1545CT	ITO-220AB	45	See datasheet curve	7.5	150	150	Common cathode	Yes	
2 x 10	MBRF2045CT	ITO-220AB	45	See datasheet curve	10	150	150	Common cathode	Yes	
2 x 12.5	MBRF2545CTHE3 MBRF2545CT-E3	ITO-220AB	45	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 12.5	MBRF2545CT	ITO-220AB	45	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 12.5	MBRF2545CT	ITO-220AB	45	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 15	MBRF30H45CT	ITO-220AB	45	0.49	15	150	175	Common cathode	Yes	
2 x 7.5	MBRF1560CT	ITO-220AB	60	See datasheet curve	7.5	150	150	Common cathode	Yes	
2 x 10	MBRF2060CT	ITO-220AB	60	See datasheet curve	10	150	150	Common cathode	Yes	
2 x 12.5	MBRF2560CTHE3 MBRF2560CT-E3	ITO-220AB	60	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 12.5	MBRF2560CT	ITO-220AB	60	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 5	MBRF10H100CT	ITO-220AB	100	See datasheet curve	5	150	175	Common cathode	No	
2 x 5	MF10H100CT	ITO-220AB	100	See datasheet curve	5	150	175	Common cathode	Yes	
2 x 10	MBRF20H100CT	ITO-220AB	100	See datasheet curve	10	250	175	Common cathode	No	
2 x 10	MF20H100CT	ITO-220AB	100	See datasheet curve	10	250	175	Common cathode	Yes	
2 x 15	MBRF30H100CT	ITO-220AB	100	See datasheet curve	15	275	175	Common cathode	No	



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 15	MF30H100CT	ITO-220AB	100	See datasheet curve	15	275	175	Common cathode	Yes
10	SBLF10L25	ITO-220AC	25	See datasheet curve	10	240	150	Single	Yes
16	MBRF1635	ITO-220AC	35	See datasheet curve	16	150	150	Single	Yes
7.5	MBRF745	ITO-220AC	45	See datasheet curve	7.5	150	150	Single	No
10	MBRF1045	ITO-220AC	45	See datasheet curve	10	150	150	Single	Yes
16	MBRF1645	ITO-220AC	45	See datasheet curve	16	150	150	Single	Yes
10	MBRF1060	ITO-220AC	60	See datasheet curve	10	150	150	Single	Yes
16	MBRF1660	ITO-220AC	60	See datasheet curve	16	150	150	Single	Yes
10	MBRF10H100	ITO-220AC	100	See datasheet curve	10	250	175	Single	No
10	MF10H100	ITO-220AC	100	See datasheet curve	10	250	175	Single	Yes
1	MSS1P2L	MicroSMP (DO-219AD)	20	0.35	1	25	150	Single	Yes
2	MSS2P2	MicroSMP (DO-219AD)	20	0.47	2	30	150	Single	Yes
1	MSS1P3	MicroSMP (DO-219AD)	30	0.41	1	25	150	Single	Yes
1	MSS1P3L	MicroSMP (DO-219AD)	30	0.35	1	25	150	Single	Yes
2	MSS2P3	MicroSMP (DO-219AD)	30	0.47	2	30	150	Single	Yes
1	MSS1P4	MicroSMP (DO-219AD)	40	0.41	1	25	150	Single	Yes
1	MSS1P5	MicroSMP (DO-219AD)	50	0.52	1	25	150	Single	Yes
1	MSS1P6	MicroSMP (DO-219AD)	60	0.52	1	25	150	Single	Yes
100	VS-100BGQ015HF4	PowerTab®	15	0.39	100	5000	125	Single	Yes
100	VS-100BGQ015	PowerTab®	15	0.39	100	5000	125	Single	No
100	VS-100BGQ030HF4	PowerTab®	30	0.49	100	4500	150	Single	Yes
100	VS-100BGQ030	PowerTab®	30	0.49	100	4500	150	Single	No
175	VS-175BGQ030HF4	PowerTab®	30	0.47	175	7400	150	Single	Yes
175	VS-175BGQ030	PowerTab®	30	0.47	175	7400	150	Single	No
100	VS-100BGQ045HF4	PowerTab®	45	0.65	100	4400	150	Single	Yes
100	VS-100BGQ045	PowerTab®	45	0.65	100	4400	150	Single	No
175	VS-175BGQ045HF4	PowerTab®	45	0.63	175	8700	150	Single	Yes
175	VS-175BGQ045	PowerTab®	45	0.63	175	8700	150	Single	No
100	VS-100BGQ100HF4	PowerTab®	100	0.77	100	6300	175	Single	Yes
100	VS-100BGQ100	PowerTab®	100	0.77	100	6300	175	Single	No
1	B120	SMA (DO-214AC)	20	See datasheet curve	1	30	125	Single	No
1	SS12	SMA (DO-214AC)	20	See datasheet curve	1	40	150	Single	Yes
1.5	SL12	SMA (DO-214AC)	20	0.34	1.5	50	125	Single	Yes
2	SS22SHE3	SMA (DO-214AC)	20	See datasheet curve	2	40	150	Single	Yes
2	SS22S-E3	SMA (DO-214AC)	20	See datasheet curve	2	40	150	Single	No
	SS22S-M3								
1.5	BYS10-25	SMA (DO-214AC)	25	See datasheet curve	1.5	40	150	Single	Yes
1	B130	SMA (DO-214AC)	30	See datasheet curve	1	30	125	Single	No
1	SS13	SMA (DO-214AC)	30	See datasheet curve	1	40	150	Single	Yes
1.5	SL13	SMA (DO-214AC)	30	See datasheet curve	1.5	50	125	Single	Yes
2	B230LA	SMA (DO-214AC)	30	See datasheet curve	2	50	150	Single	No



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2	SS23SHE3	SMA (DO-214AC)	30	See datasheet curve	2	40	150	Single	Yes
2	SS23S-E3	SMA (DO-214AC)	30	See datasheet curve	2	40	150	Single	No
	SS23S-M3								
2	SSA23L	SMA (DO-214AC)	30	0.32	2	60	150	Single	Yes
3	B330LA	SMA (DO-214AC)	30	See datasheet curve	3	65	150	Single	No
3	SSA33L	SMA (DO-214AC)	30	0.34	3	75	150	Single	Yes
1.5	BYS10-35	SMA (DO-214AC)	35	See datasheet curve	1.5	40	150	Single	Yes
1	B140	SMA (DO-214AC)	40	See datasheet curve	1	30	125	Single	No
1	SS14	SMA (DO-214AC)	40	See datasheet curve	1	40	150	Single	Yes
1	VS-10MQ040HM3	SMA (DO-214AC)	40	See datasheet curve	1	120	150	Single	Yes
1	VS-10MQ040NTRPbF	SMA (DO-214AC)	40	See datasheet curve	1	120	150	Single	No
	VS-10MQ040-M3								
1	VS-MBRA140TRPbF	SMA (DO-214AC)	40	See datasheet curve	1	120	150	Single	No
	VS-MBRA140-M3								
1.5	VS-15MQ040HM3	SMA (DO-214AC)	40	See datasheet curve	1.5	330	150	Single	Yes
1.5	VS-15MQ040NTRPbF	SMA (DO-214AC)	40	See datasheet curve	1.5	330	150	Single	No
	VS-15MQ040-M3								
2	B240A	SMA (DO-214AC)	40	See datasheet curve	2	50	150	Single	No
2	SS24SHE3	SMA (DO-214AC)	40	See datasheet curve	2	40	150	Single	Yes
2	SS24S-E3	SMA (DO-214AC)	40	See datasheet curve	2	40	150	Single	No
	SS24S-M3								
2	SSA24	SMA (DO-214AC)	40	0.36	2	60	150	Single	Yes
2	VS-20MQ040HM3	SMA (DO-214AC)	40	See datasheet curve	2	120	150	Single	Yes
2	VS-20MQ040NTRPbF	SMA (DO-214AC)	40	See datasheet curve	2	120	150	Single	No
	VS-20MQ040-M3								
3	B340A	SMA (DO-214AC)	40	See datasheet curve	3	65	150	Single	No
3	SSA34	SMA (DO-214AC)	40	0.38	3	75	150	Single	Yes
3	VS-30MQ040HM3	SMA (DO-214AC)	40	See datasheet curve	3	330	150	Single	Yes
3	VS-30MQ040-M3	SMA (DO-214AC)	40	See datasheet curve	3	330	150	Single	No
1.5	BYS10-45	SMA (DO-214AC)	45	See datasheet curve	1.5	40	150	Single	Yes
1	B150	SMA (DO-214AC)	50	See datasheet curve	1	30	150	Single	No
1	SS15	SMA (DO-214AC)	50	See datasheet curve	1	40	150	Single	Yes
2	SS25SHE3	SMA (DO-214AC)	50	0.53	2	40	150	Single	Yes
2	SS25S-E3	SMA (DO-214AC)	50	0.53	2	40	150	Single	No
	SS25S-M3								
3	B350A	SMA (DO-214AC)	50	0.55	3	50	150	Single	No
1	B160	SMA (DO-214AC)	60	See datasheet curve	1	30	150	Single	No
1	SS16	SMA (DO-214AC)	60	See datasheet curve	1	40	150	Single	Yes
1	VS-10MQ060-HM3	SMA (DO-214AC)	60	See datasheet curve	1	40	150	Single	Yes
1	VS-10MQ060NTRPbF	SMA (DO-214AC)	60	See datasheet curve	1	40	150	Single	No
	VS-10MQ060-M3								



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2	SS26SHE3	SMA (DO-214AC)	60	0.53	2	40	150	Single	Yes
2	SS26S-E3	SMA (DO-214AC)	60	0.53	2	40	150	Single	No
	SS26S-M3								
2	VS-20MQ060HM3	SMA (DO-214AC)	60	See datasheet curve	2	40	150	Single	Yes
2	VS-20MQ060NTRPbF	SMA (DO-214AC)	60	See datasheet curve	2	40	150	Single	No
	VS-20MQ060-M3								
3	B360A	SMA (DO-214AC)	60	0.55	3	50	150	Single	No
1	SS1H9	SMA (DO-214AC)	90	See datasheet curve	1	50	175	Single	Yes
1.5	BYS11-90HE3	SMA (DO-214AC)	90	See datasheet curve	1.5	40	150	Single	Yes
1.5	BYS11-90-E3	SMA (DO-214AC)	90	See datasheet curve	1.5	40	150	Single	No
	BYS11-90-M3								
1.5	BYS12-90HE3	SMA (DO-214AC)	90	See datasheet curve	1.5	40	150	Single	Yes
1.5	BYS12-90-E3	SMA (DO-214AC)	90	See datasheet curve	1.5	40	150	Single	No
	BYS12-90-M3								
1	SS1H10	SMA (DO-214AC)	100	See datasheet curve	1	50	175	Single	Yes
1	VS-10MQ100HM3	SMA (DO-214AC)	100	See datasheet curve	1	120	150	Single	Yes
1	VS-10MQ100NTRPbF	SMA (DO-214AC)	100	See datasheet curve	1	120	150	Single	No
	VS-10MQ100-M3								
2	VS-20MQ100HM3	SMA (DO-214AC)	100	See datasheet curve	2	120	150	Single	Yes
2	VS-20MQ100NTRPbF	SMA (DO-214AC)	100	See datasheet curve	2	120	150	Single	No
	VS-20MQ100-M3								
1	VS-10BQ015HM3	SMB (DO-214AA)	15	See datasheet curve	1	140	125	Single	Yes
1	VS-10BQ015-M3	SMB (DO-214AA)	15	See datasheet curve	1	140	125	Single	No
2	SL22	SMB (DO-214AA)	20	See datasheet curve	2	100	125	Single	Yes
2	SS22	SMB (DO-214AA)	20	See datasheet curve	2	75	150	Single	Yes
1	VS-10BQ030HM3	SMB (DO-214AA)	30	See datasheet curve	1	430	150	Single	Yes
1	VS-10BQ030-M3	SMB (DO-214AA)	30	See datasheet curve	1	430	150	Single	No
1	VS-MBRS130	SMB (DO-214AA)	30	See datasheet curve	1	230	150	Single	No
1	VS-MBRS130L	SMB (DO-214AA)	30	See datasheet curve	1	230	125	Single	No
2	SL23	SMB (DO-214AA)	30	See datasheet curve	2	100	125	Single	Yes
2	SS23	SMB (DO-214AA)	30	See datasheet curve	2	75	150	Single	Yes
2	VS-20BQ030HM3	SMB (DO-214AA)	30	See datasheet curve	2	350	150	Single	Yes
2	VS-20BQ030-M3	SMB (DO-214AA)	30	See datasheet curve	2	350	150	Single	No
4	SSB43L	SMB (DO-214AA)	30	0.33	4	100	150	Single	Yes
1	VS-10BQ040HM3	SMB (DO-214AA)	40	See datasheet curve	1	430	150	Single	Yes
1	VS-10BQ040-M3	SMB (DO-214AA)	40	See datasheet curve	1	430	150	Single	No
1	VS-MBRS140	SMB (DO-214AA)	40	See datasheet curve	1	380	150	Single	No
2	SS24	SMB (DO-214AA)	40	See datasheet curve	2	75	150	Single	Yes
3	B340LB	SMB (DO-214AA)	40	0.34	3	100	150	Single	No
4	SSB44	SMB (DO-214AA)	40	0.37	4	100	150	Single	Yes
2	SS25	SMB (DO-214AA)	50	See datasheet curve	2	75	150	Single	Yes



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
3	B350B	SMB (DO-214AA)	50	0.51	3	60	150	Single	No
1	VS-10BQ060HM3	SMB (DO-214AA)	60	See datasheet curve	1	700	150	Single	Yes
1	VS-10BQ060-M3	SMB (DO-214AA)	60	See datasheet curve	1	700	150	Single	No
2	SS26	SMB (DO-214AA)	60	See datasheet curve	2	75	150	Single	Yes
3	B360B	SMB (DO-214AA)	60	0.51	3	60	150	Single	No
1	VS-MBRS190	SMB (DO-214AA)	90	See datasheet curve	1	870	175	Single	No
1.5	SS29	SMB (DO-214AA)	90	See datasheet curve	1.5	75	150	Single	Yes
2	SS2H9	SMB (DO-214AA)	90	See datasheet curve	2	75	175	Single	Yes
1	VS-10BQ100HM3	SMB (DO-214AA)	100	See datasheet curve	1	780	175	Single	Yes
1	VS-10BQ100-M3	SMB (DO-214AA)	100	See datasheet curve	1	780	175	Single	No
1	VS-MBRS1100	SMB (DO-214AA)	100	See datasheet curve	1	870	175	Single	No
1.5	SS210	SMB (DO-214AA)	100	See datasheet curve	1.5	75	150	Single	Yes
2	SS2H10	SMB (DO-214AA)	100	See datasheet curve	2	75	175	Single	Yes
3	VS-30BQ015HM3	SMC (DO-214AB)	15	See datasheet curve	3	650	125	Single	Yes
3	VS-30BQ015-M3	SMC (DO-214AB)	15	See datasheet curve	3	650	125	Single	No
3	SS32	SMC (DO-214AB)	20	See datasheet curve	3	100	150	Single	Yes
4	SL42	SMC (DO-214AB)	20	See datasheet curve	4	150	125	Single	Yes
3	SS33	SMC (DO-214AB)	30	See datasheet curve	3	100	150	Single	Yes
4	SL43	SMC (DO-214AB)	30	See datasheet curve	4	150	125	Single	Yes
5	SSC53LHE3	SMC (DO-214AB)	30	0.33	5	175	150	Single	Yes
5	SSC53L-E3	SMC (DO-214AB)	30	0.33	5	175	150	Single	No
	SSC53L-M3								
3	SS34	SMC (DO-214AB)	40	See datasheet curve	3	100	150	Single	Yes
3	VS-30BQ040HM3	SMC (DO-214AB)	40	See datasheet curve	3	1600	150	Single	Yes
3	VS-30BQ040-M3	SMC (DO-214AB)	40	See datasheet curve	3	1600	150	Single	No
3	VS-MBRS340	SMC (DO-214AB)	40	See datasheet curve	3	1580	150	Single	No
4	SL44	SMC (DO-214AB)	40	See datasheet curve	4	150	125	Single	Yes
5	SSC54HE3	SMC (DO-214AB)	40	0.36	5	175	150	Single	Yes
5	SSC54-E3	SMC (DO-214AB)	40	0.36	5	175	150	Single	No
	SSC54-M3								
3	SS35	SMC (DO-214AB)	50	See datasheet curve	3	100	150	Single	Yes
3	SS36	SMC (DO-214AB)	60	See datasheet curve	3	100	150	Single	Yes
3	VS-30BQ060HM3	SMC (DO-214AB)	60	See datasheet curve	3	1200	150	Single	Yes
3	VS-30BQ060-M3	SMC (DO-214AB)	60	See datasheet curve	3	1200	150	Single	No
3	VS-MBRS360	SMC (DO-214AB)	60	See datasheet curve	3	790	150	Single	No
3	SS3H9HE3	SMC (DO-214AB)	90	See datasheet curve	3	100	175	Single	Yes
3	SS3H9-E3	SMC (DO-214AB)	90	See datasheet curve	3	100	175	Single	No
	SS3H9-M3								
3	SS3H10HE3	SMC (DO-214AB)	100	See datasheet curve	3	100	175	Single	Yes
3	SS3H10-E3	SMC (DO-214AB)	100	See datasheet curve	3	100	175	Single	No
	SS3H10-M3								



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified	
			(V)	(V)	(A)					
3	VS-30BQ100HM3	SMC (DO-214AB)	100	See datasheet curve		3	800	175	Single	Yes
3	VS-30BQ100-M3	SMC (DO-214AB)	100	See datasheet curve		3	800	175	Single	No
1	SS1FL3	SMF (DO-219AB)	30	0.31	1	40	150	Single	Yes	
2	SS2FL3	SMF (DO-219AB)	30	0.37	2	50	150	Single	Yes	
1	SS1F4	SMF (DO-219AB)	40	0.37	1	40	150	Single	Yes	
1	SS1FL4	SMF (DO-219AB)	40	0.34	1	40	150	Single	Yes	
2	SS2FL4	SMF (DO-219AB)	40	0.43	2	50	150	Single	Yes	
1	SS1FH6	SMF (DO-219AB)	60	0.56	1	40	175	Single	Yes	
1	SS1FN6	SMF (DO-219AB)	60	0.38	1	40	150	Single	Yes	
2	SS2FH6	SMF (DO-219AB)	60	0.64	2	40	175	Single	Yes	
2	SS2FN6	SMF (DO-219AB)	60	0.48	2	50	150	Single	Yes	
1	SS1FH10	SMF (DO-219AB)	100	0.57	1	40	175	Single	Yes	
2	SS2FH10	SMF (DO-219AB)	100	0.63	2	50	175	Single	Yes	
2	SS2P2	SMP (DO-220AA)	20	0.43	2	50	150	Single	Yes	
2	SS2P2L	SMP (DO-220AA)	20	0.38	2	50	150	Single	Yes	
1	SS1P3	SMP (DO-220AA)	30	See datasheet curve		1	30	150	Single	No
1	SS1P3L	SMP (DO-220AA)	30	See datasheet curve		1	50	150	Single	Yes
2	SS2P3	SMP (DO-220AA)	30	0.43	2	50	150	Single	Yes	
2	SS2P3L	SMP (DO-220AA)	30	0.38	2	50	150	Single	Yes	
3	SS3P3	SMP (DO-220AA)	30	0.43	3	50	150	Single	Yes	
1	SS1P4	SMP (DO-220AA)	40	See datasheet curve		1	30	150	Single	No
1	SS1P4L	SMP (DO-220AA)	40	See datasheet curve		1	50	150	Single	Yes
2	SS2P4	SMP (DO-220AA)	40	0.43	2	50	150	Single	Yes	
3	SS3P4	SMP (DO-220AA)	40	0.5	3	50	150	Single	Yes	
1	SS1P5L	SMP (DO-220AA)	50	0.43	1	50	150	Single	Yes	
2	SS2P5	SMP (DO-220AA)	50	0.54	2	50	150	Single	Yes	
2	SS2PH5	SMP (DO-220AA)	50	0.59	2	50	175	Single	Yes	
3	SS3P5	SMP (DO-220AA)	50	0.61	3	45	150	Single	Yes	
1	SS1P6L	SMP (DO-220AA)	60	0.43	1	50	150	Single	Yes	
2	SS2P6	SMP (DO-220AA)	60	0.54	2	50	150	Single	Yes	
2	SS2PH6	SMP (DO-220AA)	60	0.59	2	50	175	Single	Yes	
3	SS3P6	SMP (DO-220AA)	60	0.61	3	45	150	Single	Yes	
2	SS2PH9	SMP (DO-220AA)	90	0.62	2	50	175	Single	Yes	
2	SS2PH10	SMP (DO-220AA)	100	0.62	2	50	175	Single	Yes	
8	SS8P2L	SMPC (T0-277A)	20	0.472	8	150	150	Single	Yes	
12	SS12P2L	SMPC (T0-277A)	20	0.38	12	280	150	Single	Yes	
2 x 4	SS8P2CL	SMPC (T0-277A)	20	0.41	4	120	150	Common cathode	Yes	
2 x 5	SS10P2CL	SMPC (T0-277A)	20	0.338	5	200	150	Common cathode	Yes	
3	SS3P3L	SMPC (T0-277A)	30	0.335	3	150	150	Single	Yes	
5	SS5P3	SMPC (T0-277A)	30	0.403	5	150	150	Single	Yes	
8	SS8P3L	SMPC (T0-277A)	30	0.472	8	150	150	Single	Yes	



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
10	SS10P3	SMPC (TO-277A)	30	0.41	10	280	150	Single	Yes
12	SS12P3L	SMPC (TO-277A)	30	0.38	12	280	150	Single	Yes
15	SS15P3S	SMPC (TO-277A)	30	0.42	15	280	150	Single	No
2 x 4	SS8P3C	SMPC (TO-277A)	30	0.42	4	120	150	Common cathode	Yes
2 x 4	SS8P3CL	SMPC (TO-277A)	30	0.41	4	120	150	Common cathode	Yes
2 x 5	SS10P3C	SMPC (TO-277A)	30	0.37	5	200	150	Common cathode	Yes
2 x 5	SS10P3CL	SMPC (TO-277A)	30	0.338	5	200	150	Common cathode	Yes
3	SS3P4L	SMPC (TO-277A)	40	0.335	3	150	150	Single	Yes
5	SS5P4	SMPC (TO-277A)	40	0.403	5	150	150	Single	Yes
10	SS10P4	SMPC (TO-277A)	40	0.41	10	280	150	Single	Yes
12	SS12P4S	SMPC (TO-277A)	40	0.43	12	280	150	Single	No
2 x 3	SS6P4C	SMPC (TO-277A)	40	0.53	3	70	150	Common cathode	Yes
2 x 4	SS8P4C	SMPC (TO-277A)	40	0.42	4	120	150	Common cathode	Yes
2 x 5	SS10P4C	SMPC (TO-277A)	40	0.37	5	200	150	Common cathode	Yes
2 x 6	SS12P4C	SMPC (TO-277A)	40	0.4	6	150	125	Common cathode	Yes
10	SS10PH45	SMPC (TO-277A)	45	0.56	10	200	175	Single	Yes
3	SS3P5L	SMPC (TO-277A)	50	0.478	3	150	150	Single	Yes
5	SS5P5	SMPC (TO-277A)	50	0.56	5	150	150	Single	Yes
10	SS10P5	SMPC (TO-277A)	50	0.55	10	280	150	Single	Yes
2 x 4	SS8P5C	SMPC (TO-277A)	50	0.56	4	120	150	Common cathode	Yes
3	SS3P6L	SMPC (TO-277A)	60	0.478	3	150	150	Single	Yes
5	SS5P6	SMPC (TO-277A)	60	0.56	5	150	150	Single	Yes
10	SS10P6	SMPC (TO-277A)	60	0.55	10	280	150	Single	Yes
2 x 4	SS8P6C	SMPC (TO-277A)	60	0.56	4	120	150	Common cathode	Yes
5	SS5P9	SMPC (TO-277A)	90	0.649	5	150	150	Single	Yes
8	SS8PH9	SMPC (TO-277A)	90	0.72	8	150	175	Single	Yes
10	SS10PH9	SMPC (TO-277A)	90	0.661	10	200	175	Single	Yes
5	SS5P10	SMPC (TO-277A)	100	0.649	5	150	150	Single	Yes
8	SS8PH10	SMPC (TO-277A)	100	0.72	8	150	175	Single	Yes
10	SS10PH10	SMPC (TO-277A)	100	0.661	10	200	175	Single	Yes
2 x 12.5	SBL25L30CT	TO-220AB	30	See datasheet curve	12.5	180	150	Common cathode	No
2 x 10	VS-20CTQ035-HN3	TO-220AB	35	See datasheet curve	10	1060	175	Common cathode	Yes
2 x 10	VS-20CTQ035-M3	TO-220AB	35	See datasheet curve	10	1060	175	Common cathode	No
2 x 10	VS-MBR2035CTHN3	TO-220AB	35	See datasheet curve	10	1060	150	Common cathode	Yes
2 x 10	VS-MBR2035CT-M3	TO-220AB	35	See datasheet curve	10	1060	150	Common cathode	No
2 x 12.5	MBR2535CTHE3 , MBR2535CT-E3	TO-220AB	35	See datasheet curve	12.5	150	150	Common cathode	No
2 x 12.5	MBR2535CT	TO-220AB	35	See datasheet curve	12.5	150	150	Common cathode	No
2 x 15	VS-30CTQ035HN3	TO-220AB	35	See datasheet curve	15	1060	175	Common cathode	Yes
2 x 15	VS-30CTQ035-M3	TO-220AB	35	See datasheet curve	15	1060	175	Common cathode	No
2 x 5	SBL1040CT	TO-220AB	40	See datasheet curve	5	175	125	Common cathode	No
2 x 10	VS-20CTQ040HN3	TO-220AB	40	See datasheet curve	10	1060	175	Common cathode	Yes



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
2 x 10	VS-20CTQ040-M3	T0-220AB	40	See datasheet curve	10	1060	175	Common cathode	No	
2 x 15	VS-30CTQ040HN3	T0-220AB	40	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ040-M3	T0-220AB	40	See datasheet curve	15	1060	175	Common cathode	No	
2 x 7.5	MBR1545CT	T0-220AB	45	See datasheet curve	7.5	150	150	Common cathode	No	
2 x 10	VS-20CTQ045-HN3	T0-220AB	45	See datasheet curve	10	1060	175	Common cathode	Yes	
2 x 10	VS-20CTQ045-M3	T0-220AB	45	See datasheet curve	10	1060	175	Common cathode	No	
2 x 10	VS-MBR2045CTHN3	T0-220AB	45	See datasheet curve	10	1060	150	Common cathode	Yes	
2 x 10	VS-MBR2045CT-M3	T0-220AB	45	See datasheet curve	10	1060	150	Common cathode	No	
2 x 12.5	MBR2545CTHE3 MBR2545CT-E3	T0-220AB	45	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 12.5	MBR2545CT	T0-220AB	45	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 15	VS-30CTQ045HN3	T0-220AB	45	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ045-M3	T0-220AB	45	See datasheet curve	15	1060	175	Common cathode	No	
2 x 20	VS-40CTQ045	T0-220AB	45	See datasheet curve	20	1240	150	Common cathode	Yes	
2 x 7.5	MBR1560CT	T0-220AB	60	See datasheet curve	7.5	150	150	Common cathode	No	
2 x 8	VS-16CTQ060	T0-220AB	60	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 12.5	MBR2560CTHE3 MBR2560CT-E3	T0-220AB	60	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 12.5	MBR2560CT	T0-220AB	60	See datasheet curve	12.5	150	150	Common cathode	No	
2 x 15	MBR30H60CT	T0-220AB	60	0.55	15	150	175	Common cathode	No	
2 x 8	VS-16CTQ080HN3	T0-220AB	80	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ080-M3	T0-220AB	80	See datasheet curve	8	850	175	Common cathode	No	
2 x 15	VS-30CTQ080HN3	T0-220AB	80	See datasheet curve	15	850	175	Common cathode	Yes	
2 x 15	VS-30CTQ080-M3	T0-220AB	80	See datasheet curve	15	850	175	Common cathode	No	
2 x 5	MBR10H100CT	T0-220AB	100	See datasheet curve	5	150	175	Common cathode	No	
2 x 8	VS-16CTQ100HN3	T0-220AB	100	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ100-M3	T0-220AB	100	See datasheet curve	8	850	175	Common cathode	No	
2 x 10	MBR20H100CT	T0-220AB	100	See datasheet curve	10	250	175	Common cathode	No	
2 x 10	MBR20H100CTG	T0-220AB	100	0.64	10	150	175	Common cathode	No	
2 x 15	MBR30H100CT	T0-220AB	100	See datasheet curve	15	275	175	Common cathode	No	
2 x 15	VS-30CTQ100HN3	T0-220AB	100	See datasheet curve	15	850	175	Common cathode	Yes	
2 x 15	VS-30CTQ100-M3	T0-220AB	100	See datasheet curve	15	850	175	Common cathode	No	
2 x 20	VS-43CTQ100HN3	T0-220AB	100	See datasheet curve	20	850	175	Common cathode	Yes	
2 x 20	VS-43CTQ100-M3	T0-220AB	100	See datasheet curve	20	850	175	Common cathode	No	
2 x 30	VS-60CTQ150HN3	T0-220AB	150	0.67	30	710	175	Common cathode	Yes	
2 x 30	VS-60CTQ150-M3	T0-220AB	150	0.67	30	710	175	Common cathode	No	
10	SBL10L25	T0-220AC	25	See datasheet curve	10	240	150	Single	No	
6	VS-6TQ035HN3	T0-220AC	35	See datasheet curve	6	690	175	Single	Yes	
6	VS-6TQ035-M3	T0-220AC	35	See datasheet curve	6	690	175	Single	No	
10	VS-10TQ035HN3	T0-220AC	35	See datasheet curve	10	1050	175	Single	Yes	
10	VS-10TQ035-M3	T0-220AC	35	See datasheet curve	10	1050	175	Single	No	
16	MBR1635	T0-220AC	35	See datasheet curve	16	150	150	Single	No	



RECTIFIERS

Schottky Rectifiers

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I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
18	VS-18TQ035HN3	T0-220AC	35	See datasheet curve	18	1800	175	Single	Yes
18	VS-18TQ035-M3	T0-220AC	35	See datasheet curve	18	1800	175	Single	No
6	VS-6TQ040HN3	T0-220AC	40	See datasheet curve	6	690	175	Single	Yes
6	VS-6TQ040-M3	T0-220AC	40	See datasheet curve	6	690	175	Single	No
10	VS-10TQ040HN3	T0-220AC	40	See datasheet curve	10	1050	175	Single	Yes
10	VS-10TQ040-M3	T0-220AC	40	See datasheet curve	10	1050	175	Single	No
18	VS-18TQ040HN3	T0-220AC	40	See datasheet curve	18	1800	175	Single	Yes
18	VS-18TQ040-M3	T0-220AC	40	See datasheet curve	18	1800	175	Single	No
6	VS-6TQ045HN3	T0-220AC	45	See datasheet curve	6	690	175	Single	Yes
6	VS-6TQ045-M3	T0-220AC	45	See datasheet curve	6	690	175	Single	No
7.5	MBR745	T0-220AC	45	See datasheet curve	7.5	150	150	Single	No
10	MBR1045	T0-220AC	45	See datasheet curve	10	150	150	Single	No
10	VS10TQ045HN3	T0-220AC	45	See datasheet curve	10	1050	175	Single	Yes
10	VS10TQ045-M3	T0-220AC	45	See datasheet curve	10	1050	175	Single	No
16	MBR1645	T0-220AC	45	See datasheet curve	16	150	150	Single	No
18	VS-18TQ045HN3	T0-220AC	45	See datasheet curve	18	1800	175	Single	Yes
18	VS-18TQ045-M3	T0-220AC	45	See datasheet curve	18	1800	175	Single	No
7.5	MBR760	T0-220AC	60	See datasheet curve	7.5	150	150	Single	No
10	MBR1060	T0-220AC	60	See datasheet curve	10	150	150	Single	No
16	MBR1660	T0-220AC	60	See datasheet curve	16	150	150	Single	No
10	MBR10H100	T0-220AC	100	See datasheet curve	10	250	175	Single	No
65	VS-65PQ015	T0-247AC 3L	15	See datasheet curve	65	1500	125	Single	No
2 x 20	VS-40L15CW	T0-247AC 3L	15	0.25	19	700	125	Common cathode	No
2 x 20	VS-MBR40L15CW	T0-247AC 3L	15	0.26	20	700	125	Common cathode	No
2 x 20	VS-STPS40L15CW	T0-247AC 3L	15	0.25	19	700	125	Common cathode	No
2 x 40	VS-80CPQ020	T0-247AC 3L	20	See datasheet curve	40	2200	150	Common cathode	No
2 x 25	VS-52CPQ030	T0-247AC 3L	30	See datasheet curve	25	2180	150	Common cathode	No
2 x 35	VS-72CPQ030	T0-247AC 3L	30	See datasheet curve	35	2180	150	Common cathode	No
2 x 15	VS-30CPQ035	T0-247AC 3L	35	See datasheet curve	15	1020	150	Common cathode	No
2 x 15	VS-MBR3035WT	T0-247AC 3L	35	See datasheet curve	15	1020	150	Common cathode	No
2 x 20	VS-40CPQ035	T0-247AC 3L	35	See datasheet curve	20	3500	150	Common cathode	No
2 x 15	VS-30CPQ040	T0-247AC 3L	40	See datasheet curve	15	1020	150	Common cathode	No
2 x 20	VS-40CPQ040	T0-247AC 3L	40	See datasheet curve	20	3500	150	Common cathode	No
2 x 20	VS-40L40CW	T0-247AC 3L	40	0.42	20	1240	150	Common cathode	No
2 x 20	VS-STPS40L40CW	T0-247AC 3L	40	See datasheet curve	20	3500	150	Common cathode	No
2 x 15	VS-30CPQ045	T0-247AC 3L	45	See datasheet curve	15	1020	150	Common cathode	No
2 x 15	VS-MBR3045WT	T0-247AC 3L	45	See datasheet curve	15	1020	150	Common cathode	No
2 x 20	VS-40CPQ045	T0-247AC 3L	45	See datasheet curve	20	3500	150	Common cathode	No
2 x 20	VS-40L45CW	T0-247AC 3L	45	0.42	20	1240	150	Common cathode	No
2 x 20	VS-MBR4045WT	T0-247AC 3L	45	See datasheet curve	20	1020	150	Common cathode	No
2 x 20	VS-STPS40L45CW	T0-247AC 3L	45	See datasheet curve	20	1240	150	Common cathode	No



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
2 x 30	VS-MBR6045WT	T0-247AC 3L	45	See datasheet curve	30	2900	150	Common cathode	No	
2 x 15	VS-30CPQ050	T0-247AC 3L	50	See datasheet curve	15	1020	150	Common cathode	No	
2 x 20	VS-40CPQ050	T0-247AC 3L	50	See datasheet curve	20	3200	150	Common cathode	No	
2 x 15	VS-30CPQ060	T0-247AC 3L	60	See datasheet curve	15	1020	150	Common cathode	No	
2 x 15	VS-STPS30L60CW	T0-247AC 3L	60	See datasheet curve	15	1020	150	Common cathode	No	
2 x 20	VS-40CPQ060HN3	T0-247AC 3L	60	See datasheet curve	20	3200	150	Common cathode	Yes	
2 x 20	VS-40CPQ060-N3	T0-247AC 3L	60	See datasheet curve	20	3200	150	Common cathode	No	
2 x 20	VS-MBR4060WT	T0-247AC 3L	60	See datasheet curve	20	1020	150	Common cathode	No	
2 x 15	VS-30CPQ080	T0-247AC 3L	80	See datasheet curve	15	920	175	Common cathode	No	
2 x 20	VS-40CPQ080	T0-247AC 3L	80	See datasheet curve	20	2950	175	Common cathode	No	
2 x 15	VS-30CPQ090	T0-247AC 3L	90	See datasheet curve	15	920	175	Common cathode	No	
2 x 15	VS-30CPQ100	T0-247AC 3L	100	See datasheet curve	15	920	175	Common cathode	No	
2 x 20	VS-40CPQ100	T0-247AC 3L	100	See datasheet curve	20	2950	175	Common cathode	No	
2 x 30	VS-63CPQ100	T0-247AC 3L	100	See datasheet curve	30	2200	175	Common cathode	No	
2 x 15	VS-30CPQ140	T0-247AC 3L	140	See datasheet curve	15	1000	175	Common cathode	No	
2 x 15	VS-30CPQ150	T0-247AC 3L	150	See datasheet curve	15	1000	175	Common cathode	No	
2 x 30	VS-60CPQ150	T0-247AC 3L	150	0.64	30	2300	175	Common cathode	No	
2 x 40	VS-80CPQ150	T0-247AC 3L	150	0.67	40	1930	175	Common cathode	No	
2 x 20	VS-40L15CT-1	T0-262AA	15	0.25	19	700	125	Common cathode	No	
2 x 20	VS-47CTQ020-1	T0-262AA	20	See datasheet curve	20	1000	150	Common cathode	No	
2 x 15	VS-32CTQ025-1HM3	T0-262AA	25	See datasheet curve	15	900	150	Common cathode	Yes	
2 x 15	VS-32CTQ025-1-M3	T0-262AA	25	See datasheet curve	15	900	150	Common cathode	No	
2 x 15	VS-32CTQ030-1HM3	T0-262AA	30	See datasheet curve	15	900	150	Common cathode	Yes	
2 x 15	VS-32CTQ030-1-M3	T0-262AA	30	See datasheet curve	15	900	150	Common cathode	No	
2 x 20	VS-42CTQ030-1HM3	T0-262AA	30	See datasheet curve	20	1100	150	Common cathode	Yes	
2 x 20	VS-42CTQ030-1-M3	T0-262AA	30	See datasheet curve	20	1100	150	Common cathode	No	
2 x 6	VS-12CTQ035-1	T0-262AA	35	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	VS-15CTQ035-1	T0-262AA	35	See datasheet curve	7.5	810	150	Common cathode	No	
2 x 10	VS-20CTQ035-1	T0-262AA	35	See datasheet curve	10	1060	175	Common cathode	No	
2 x 15	VS-25CTQ035-1	T0-262AA	35	See datasheet curve	15	990	150	Common cathode	No	
2 x 15	VS-30CTQ035-1HM3	T0-262AA	35	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ035-1-M3	T0-262AA	35	See datasheet curve	15	1060	175	Common cathode	No	
2 x 15	VS-MBR3035CT-1	T0-262AA	35	See datasheet curve	15	1020	150	Common cathode	No	
2 x 6	VS-12CTQ040-1	T0-262AA	40	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	VS-15CTQ040-1	T0-262AA	40	See datasheet curve	7.5	810	150	Common cathode	No	
2 x 10	VS-20CTQ040-1	T0-262AA	40	See datasheet curve	10	1060	175	Common cathode	No	
2 x 15	VS-25CTQ040-1	T0-262AA	40	See datasheet curve	15	990	150	Common cathode	No	
2 x 15	VS-30CTQ040-1HM3	T0-262AA	40	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ040-1-M3	T0-262AA	40	See datasheet curve	15	1060	175	Common cathode	No	
2 x 6	VS-12CTQ045-1	T0-262AA	45	See datasheet curve	6	690	175	Common cathode	No	
2 x 7.5	VS-15CTQ045-1	T0-262AA	45	See datasheet curve	7.5	810	150	Common cathode	No	



RECTIFIERS

Schottky Rectifiers

The DNA of tech.™

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev.	Typ. V _F at I _F , T _J = 125 °C			I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)					
2 x 7.5	VS-MBR1545CT-1	TO-262AA	45	See datasheet curve	7.5	690	150	Common cathode	No	
2 x 10	VS-20CTQ045-1	TO-262AA	45	See datasheet curve	10	1060	175	Common cathode	No	
2 x 10	VS-MBR2045CT-1	TO-262AA	45	See datasheet curve	10	1060	150	Common cathode	No	
2 x 15	VS-25CTQ045-1	TO-262AA	45	See datasheet curve	15	990	150	Common cathode	No	
2 x 15	VS-30CTQ045-1HM3	TO-262AA	45	See datasheet curve	15	1060	175	Common cathode	Yes	
2 x 15	VS-30CTQ045-1-M3	TO-262AA	45	See datasheet curve	15	1060	175	Common cathode	No	
2 x 15	VS-MBR3045CT-1	TO-262AA	45	See datasheet curve	15	1020	150	Common cathode	No	
2 x 20	VS-40CTQ045-1	TO-262AA	45	See datasheet curve	20	1240	150	Common cathode	No	
2 x 20	VS-MBR4045CT-1HM3	TO-262AA	45	See datasheet curve	20	900	150	Common cathode	Yes	
2 x 20	VS-MBR4045CT-1-M3	TO-262AA	45	See datasheet curve	20	900	150	Common cathode	No	
2 x 15	VS-30CTQ050-1	TO-262AA	50	See datasheet curve	15	1000	150	Common cathode	No	
2 x 8	VS-16CTQ060-1HM3	TO-262AA	60	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ060-1-M3	TO-262AA	60	See datasheet curve	8	850	175	Common cathode	No	
2 x 15	VS-30CTQ060-1	TO-262AA	60	See datasheet curve	15	1000	150	Common cathode	No	
2 x 20	VS-48CTQ060-1	TO-262AA	60	See datasheet curve	20	1000	150	Common cathode	No	
2 x 8	VS-16CTQ080-1HM3	TO-262AA	80	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ080-1-M3	TO-262AA	80	See datasheet curve	8	850	175	Common cathode	No	
2 x 10	VS-MBR2080CT-1HM3	TO-262AA	80	See datasheet curve	10	850	150	Common cathode	Yes	
2 x 10	VS-MBR2080CT-1-M3	TO-262AA	80	See datasheet curve	10	850	150	Common cathode	No	
2 x 15	VS-30CTQ080-1	TO-262AA	80	See datasheet curve	15	850	175	Common cathode	No	
2 x 20	VS-43CTQ080-1HM3	TO-262AA	80	See datasheet curve	20	850	175	Common cathode	Yes	
2 x 20	VS-43CTQ080-1-M3	TO-262AA	80	See datasheet curve	20	850	175	Common cathode	No	
2 x 10	VS-MBR2090CT-1HM3	TO-262AA	90	See datasheet curve	10	850	150	Common cathode	Yes	
2 x 10	VS-MBR2090CT-1-M3	TO-262AA	90	See datasheet curve	10	850	150	Common cathode	No	
2 x 8	VS-16CTQ100-1HM3	TO-262AA	100	See datasheet curve	8	850	175	Common cathode	Yes	
2 x 8	VS-16CTQ100-1-M3	TO-262AA	100	See datasheet curve	8	850	175	Common cathode	No	
2 x 10	VS-MBR20100CT-1HM3	TO-262AA	100	See datasheet curve	10	850	150	Common cathode	Yes	
2 x 10	VS-MBR20100CT-1-M3	TO-262AA	100	See datasheet curve	10	850	150	Common cathode	No	
2 x 15	VS-30CTQ100-1	TO-262AA	100	See datasheet curve	15	850	175	Common cathode	No	
2 x 20	VS-43CTQ100-1HM3	TO-262AA	100	See datasheet curve	20	850	175	Common cathode	Yes	
2 x 20	VS-43CTQ100-1-M3	TO-262AA	100	See datasheet curve	20	850	175	Common cathode	No	
2 x 5	VS-10CTQ150-1	TO-262AA	150	See datasheet curve	5	620	175	Common cathode	No	
2 x 10	VS-20CTQ150-1HM3	TO-262AA	150	0.63	10	1030	175	Common cathode	Yes	
2 x 10	VS-20CTQ150-1-M3	TO-262AA	150	0.63	10	1030	175	Common cathode	No	
2 x 20	VS-40CTQ150-1HM3	TO-262AA	150	See datasheet curve	20	1500	175	Common cathode	Yes	
2 x 20	VS-40CTQ150-1-M3	TO-262AA	150	See datasheet curve	20	1500	175	Common cathode	No	
2 x 10	SBL2030PT	TO-3P (TO-247AD)	30	See datasheet curve	10	250	125	Common cathode	No	
2 x 15	SBL3030PT	TO-3P (TO-247AD)	30	See datasheet curve	15	275	125	Common cathode	No	
2 x 20	SBL4030PT	TO-3P (TO-247AD)	30	See datasheet curve	20	400	125	Common cathode	No	
2 x 15	MBR3035PT	TO-3P (TO-247AD)	35	See datasheet curve	30	200	150	Common cathode	No	
2 x 15	MBR30H35PT	TO-3P (TO-247AD)	35	0.54	20	200	175	Common cathode	No	



The DNA of tech.™

RECTIFIERS

Schottky Rectifiers

I _{F(AV)} (A)	Part Number	Package (JEDEC®) Code	Rev. Voltage	Typ. V _F at I _F , T _J = 125 °C		I _{FSM} (A)	T _J Max. (°C)	Circuit Configuration	AEC-Q101 Qualified
			(V)	(V)	(A)				
2 x 20	MBR4035PT	TO-3P (TO-247AD)	35	See datasheet curve	40	400	150	Common cathode	No
2 x 20	MBR40H35PT	TO-3P (TO-247AD)	35	0.49	20	400	175	Common cathode	No
2 x 30	M6035P	TO-3P (TO-247AD)	35	0.5	30	350	150	Common cathode	No
2 x 10	SBL2040PT	TO-3P (TO-247AD)	40	See datasheet curve	10	250	125	Common cathode	No
2 x 15	SBL3040PT	TO-3P (TO-247AD)	40	See datasheet curve	15	275	125	Common cathode	No
2 x 20	SBL4040PT	TO-3P (TO-247AD)	40	See datasheet curve	20	400	125	Common cathode	No
2 x 15	MBR3045PT	TO-3P (TO-247AD)	45	See datasheet curve	30	200	150	Common cathode	No
2 x 15	MBR30H45PT	TO-3P (TO-247AD)	45	0.54	20	200	175	Common cathode	No
2 x 15	SD241P	TO-3P (TO-247AD)	45	See datasheet curve	10	400	150	Common cathode	No
2 x 20	MBR4045PT	TO-3P (TO-247AD)	45	See datasheet curve	40	400	150	Common cathode	No
2 x 20	MBR40H45PT	TO-3P (TO-247AD)	45	0.49	20	400	175	Common cathode	No
2 x 30	M6045P	TO-3P (TO-247AD)	45	0.5	30	350	150	Common cathode	No
2 x 15	MBR3050PT	TO-3P (TO-247AD)	50	See datasheet curve	30	200	150	Common cathode	No
2 x 15	MBR30H50PT	TO-3P (TO-247AD)	50	0.6	20	200	175	Common cathode	No
2 x 20	MBR4050PT	TO-3P (TO-247AD)	50	See datasheet curve	40	400	150	Common cathode	No
2 x 20	MBR40H50PT	TO-3P (TO-247AD)	50	0.56	20	400	175	Common cathode	No
2 x 15	MBR3060PT	TO-3P (TO-247AD)	60	See datasheet curve	30	200	150	Common cathode	No
2 x 15	MBR30H60PT	TO-3P (TO-247AD)	60	0.6	20	200	175	Common cathode	No
2 x 20	MBR4060PT	TO-3P (TO-247AD)	60	See datasheet curve	40	400	150	Common cathode	No
2 x 20	MBR40H60PT	TO-3P (TO-247AD)	60	0.56	20	400	175	Common cathode	No
2 x 30	M6060P	TO-3P (TO-247AD)	60	0.56	30	350	150	Common cathode	No
2 x 15	MBR30H90PT	TO-3P (TO-247AD)	90	See datasheet curve	15	265	175	Common cathode	No
2 x 15	MBR30H100PT	TO-3P (TO-247AD)	100	See datasheet curve	15	265	175	Common cathode	No