

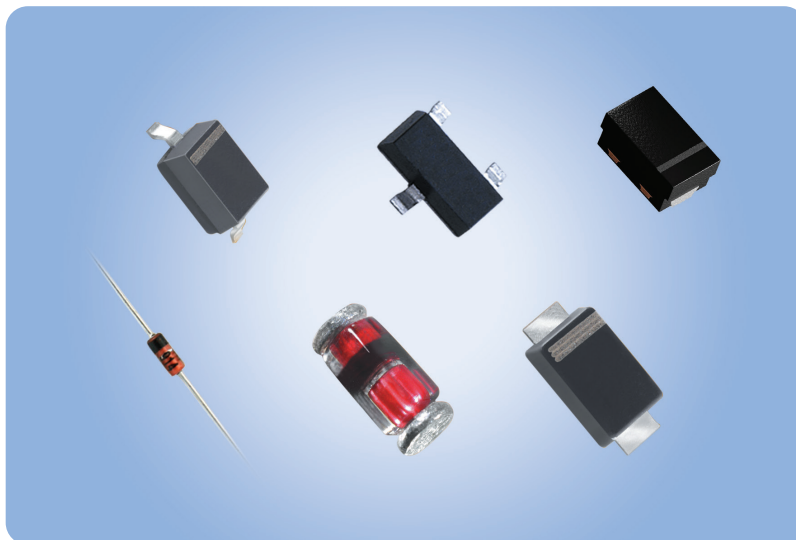


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DIODES

Small Signal Schottky and Switching Diodes

Available in Surface-Mount and Leaded Packages



LEADED PACKAGES

- DO-35

SURFACE-MOUNT PACKAGES

- MicroMELF
- MiniMELF
- QuadroMELF
- SOD-123
- SOD-323
- SOD-523
- SOT-23
- DFN1006-2A
- MicroSMF (DO-219AC)

RESOURCES

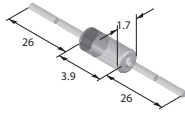
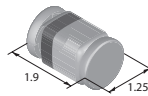
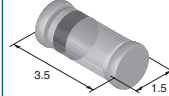
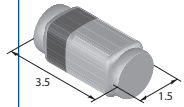
- For more information on small signal Schottky diodes, visit: www.vishay.com/diodes/ss-schottky
- For more information on small signal switching diodes, visit: www.vishay.com/diodes/switching
- For technical questions, contact DiodesEurope@vishay.com, DiodesAmericas@vishay.com, DiodesAsia@vishay.com



DIODES

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Schottky Diodes						Leaded	Surface-Mount			
V _{RRM} (V)	I _F (mA)	V _F Max. at I _F		V _F Max. at I _F		DO-35 ⁽¹⁾ (Glass)	MicroMELF ⁽¹⁾ (Glass)	MiniMELF SOD-80 ⁽²⁾ (Glass)	QuadroMELF SOD-80 ⁽²⁾ (Glass)	
		(V)	(mA)	(V)	(mA)					
20	350	0.37	20	0.6	200	SD103C	MCL103C	LL103C	LS103C	
30	200	0.32	1	0.4	10	BAT85S	BAS385	BAS85 BAS85-M	BAS285	
30	200	0.33	2	0.45	15	BAT43	-	LL43	-	
30	200	0.4	10	0.65	50	BAT42	-	LL42	-	
30	350	0.37	20	0.6	200	SD103B	MCL103B	LL103B	LS103B	
40	30	0.33	0.1	0.41	1.0	BAT81S	BAS381	BAS81	BAS281	
40	30	0.39	1.0	0.9	15	SD101C	MCL101C	LL101C	LS101C	
40	200	0.37	20	0.6	200	SD103A	MCL103A	LL103A	LS103A	
50	30	0.33	0.1	0.41	1.0	BAT82S	BAS382	BAS82	BAS282	
50	30	0.4	1.0	0.95	15	SD101B	MCL101B	LL101B	LS101B	
50	200	0.38	1.0	0.45	10	BAT86S	BAS386	BAS86 BAS86-M	BAS286	
60	30	0.33	0.1	0.41	1.0	BAT83S	BAS383	BAS83	BAS283	
60	30	0.41	1.0	1.0	15	SD101A	MCL101A	LL101A	LS101A	
100	100	0.45	1.0	1.0	200	BAT41	-	LL41	-	
100	150	0.25	0.1	0.45	10	BAT46	-	LL46	-	
<p>For more information, visit www.vishay.com/diodes/ss-schottky/</p> <p>For technical questions, contact DiodesEurope@vishay.com, DiodesAmericas@vishay.com, DiodesAsia@vishay.com</p>						 <p>DO-35</p>	 <p>MicroMELF</p>	 <p>MiniMELF SOD-80</p>	 <p>QuadroMELF SOD- 80</p>	

Notes

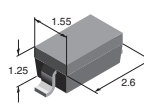
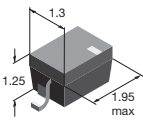
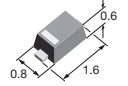
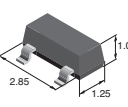

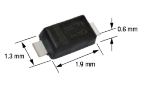
- ⁽¹⁾ Standard is halogen-free
- ⁽²⁾ Halogen-free versions available



DIODES

Small Signal Schottky and Switching Diodes

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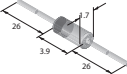
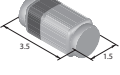
Schottky Diodes						Surface-Mount					
V _{RRM} (V)	I _F (mA)	V _F Max. at I _F		V _F Max. at I _F		SOD-123	SOD-323	SOD-523	SOT-23	DFN1006-2A	MicroSMF (DO-219AC)
		(V)	(mA)	(V)	(mA)						
20	350	0.37	20	0.6	200	SD103CW SD103CW-G	SD103CWS SD103CWS-G	-	-	-	-
30	200	0.33	2	0.45	15	BAT43W BAT43W-G	BAT43WS BAT43WS-G	-	-	-	-
30	200	0.4	10	0.5	30	BAT54W BAT54W-G	BAT54WS BAT54WS-G	-	BAT54 BAT54-G	-	-
30	300	0.4	10	0.5	30	-	-	BAT54-02V	-	-	-
30	200	0.4	10	0.65	50	BAT42W BAT42W-G	BAT42WS BAT42WS-G	-	-	-	-
30	350	0.37	20	0.6	200	SD103BW SD103BW-G	SD103BWS SD103BWS-G	-	-	-	-
40	30	0.37	1.0	0.37	1.0	-	-	BAS581-02V	-	-	-
40	30	0.39	1.0	0.9	15	SD101CW SD101CW-G	SD101CWS SD101CWS-G	-	-	-	-
40	200	0.56	10	1.0	40	-	-	-	-	BAS40L	-
40	200	0.38	1.0	1.0	40	-	-	-	BAS40 BAS40-G	-	-
40	120	0.38	1.0	1.0	40	-	-	BAS40-02V	-	-	-
40	350	0.37	20	0.6	200	SD103AW SD103AW-G	SD103AWS SD103AWS-G	-	-	-	-
40	750	0.47	100	0.74	750	-	-	-	-	-	BAT165
50	30	0.4	1.0	0.95	15	SD101BW SD101BW-G	SD101BWS SD101BWS-G	-	-	-	-
60	30	0.41	1.0	1.0	15	SD101AW SD101AW-G	SD101AWS SD101AWS-G	-	-	-	-
70	70	0.41	1.0	1.0	15	-	BAS170WS BAS170WS-G	-	-	-	-
70	100	0.41	1.0	1.0	15	-	-	BAS70-02V	-	-	-
70	200	0.41	1.0	1.0	15	-	-	-	BAS70 BAS70-G	-	-
100	150	0.25	0.1	0.5	10	BAT46W BAT46W-G	-	-	-	-	-
<p>For more information, visit www.vishay.com/diodes/ss-schottky/</p> <p>For technical questions, contact DiodesEurope@vishay.com, DiodesAmericas@vishay.com, DiodesAsia@vishay.com</p>						 <p>SOD-123</p>	 <p>SOD-323</p>	 <p>SOD-523</p>	 <p>SOT-23</p>	 <p>DFN1006-2A</p>	 <p>MicroSMF (DO-219AC)</p>



DIODES

Small Signal Schottky and Switching Diodes

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Switching Diodes				Leaded	Surface-Mount			
V _{RRM} (V)	I _F / I _{F(AV)}	V _F Max. at I _F		t _{rr} Max. (ns)	DO-35 ⁽¹⁾ (Glass)	MicroMELF ⁽¹⁾ (Glass)	MiniMELF SOD-80 ⁽²⁾ (Glass)	QuadroMELF SOD-80 ⁽²⁾ (Glass)
		(V)	(mA)					
25	250	1	100	50	BAV17	-	-	-
35	300	1	30	4	BAW75	-	-	-
35	300	1	50	4	1N4154	-	LL4154	LS4154
40	200	1	100		BAS33	BAQ333	BAQ33	BAQ133
50	300	1	200	4	1N4150	-	LL4150	LS4150
60	250	1	100	50	BAV18	-	-	-
60	250	1	100	50	-	BAV300	BAV100	BAV200
70	200	1	100		BAS34	BAQ334	BAQ34	BAQ134
75	300	1	100	4	BAW76	-	-	-
75	300	1	50	4	1N4151	MCL4151	LL4151	LS4151
75	600	1	200	6	BAW27	-	-	-
100	300	1	50	8	-	-	LL4148 LL4148-M	-
100	300	1	10	4	1N4148	MCL4148	-	LS4148
100	300	1	100	4	1N4448	MCL4448	LL4448	LS4448
100	300	1	10	4	1N914	-	-	-
120	250	1	100	50	BAV19	BAV301	BAV101	BAV201
140	200	1	100		BAY135	-	-	-
200	250	1	100	50	BAV20	BAV302	BAV102	BAV202
250	250	1	100	50	BAV21	BAV303	BAV103	BAV203
For more information, visit www.vishay.com/diodes/switching/ For technical questions, contact DiodesEurope@vishay.com , DiodesAmericas@vishay.com , DiodesAsia@vishay.com					 DO-35	 MicroMELF	 MiniMELF SOD-80	 QuadroMELF SOD-80





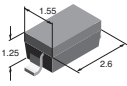
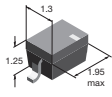
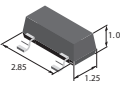
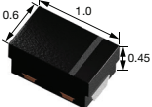
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DIODES

Small Signal Schottky and Switching Diodes

Switching Diodes					Surface-Mount			
V_{RRM} (V)	$I_F / I_{F(AV)}$	V_F Max. at I_F		t_{rr} Max. (ns)				
		(V)	(mA)		SOD-123	SOD-323	SOT-23	DFN1006-2A
50	200	1	200	4	1N4150W 1N4150W-G	-	-	-
70	250	1	50	6	-	-	BAL99 BAL99-G	-
70	250	1	50	6	-	-	BAW56 (Common Anode) BAW56-G (Common Anode) BAV70 (Common Cathode) BAV70-G (Common Cathode) BAV99 (Dual in Series) BAV99-G (Dual in Series)	-
70	200	1.1	100	4	-	-	MMBD6050 MMBD6050-G	-
75	150	1	50	4	1N4151W 1N4151W-G	1N4151WS 1N4151WS-G	-	-
100	150	1	10	4	1N4148W 1N4148W-G	1N4148WS 1N4148WS-G	IMBD4148 IMBD4148-G	-
100	150	1	100	4	1N4448W 1N4448W-G	1N4448WS 1N4448WS-G	IMBD4448 IMBD4448-G	-
100	200	1.1	100	4	-	-	MMBD7000 MMBD7000-G	-
100	200	1	10	4	-	-	MMBD914 MMBD914-G	-
100	250	1	50	4	-	-	-	BAS16L
100	250	1	50	6	BAS16D BAS16D-G	BAS16WS BAS16WS-G	BAS16 BAS16-G	-
120	250	1	100	50	BAV19W BAV19W-G	BAV19WS BAV19WS-G	BAS19 BAS19-G	-
200	250	1	100	50	BAV20W BAV20W-G	BAV20WS BAV20WS-G	BAS20 BAS20-G	-
250	400	1	100	50	-	-	BAV23C BAV23C-G	-
250	250	1	100	50	BAV21W BAV21W-G	BAV21WS BAV21WS-G	BAS21 BAS21-G	-
300	225	1	100	50	GSD2004W GSD2004W-G	GSD2004WS GSD2004WS-G	GSD2004A GSD2004S GSD2004C GSD2004A-G GSD2004S-G GSD2004C-G	-
For more information, visit www.vishay.com/diodes/switching/ For technical questions, contact DiodesEurope@vishay.com , DiodesAmericas@vishay.com , DiodesAsia@vishay.com								
					SOD-123	SOD-323	SOT-23	BAS16L