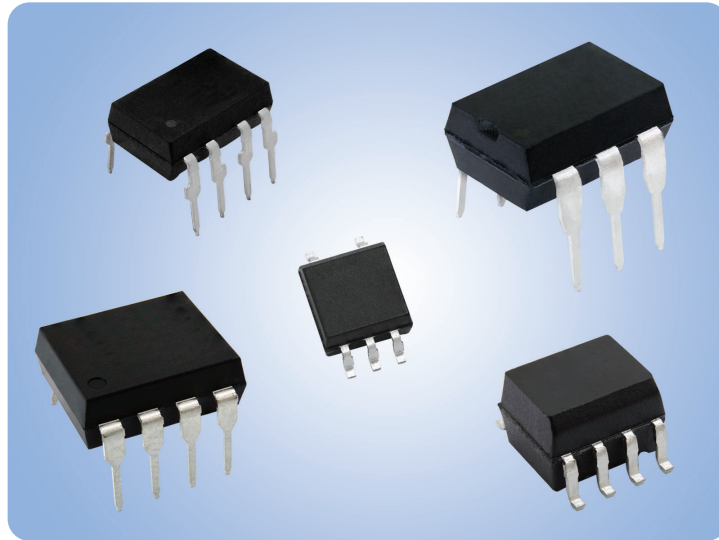


High-Speed Optocouplers



FEATURES

- JEDEC-compatible
- Reinforced insulation
- High-voltage isolation
- Up to 40 kV/ μ s common mode transient immunity
- Fulfills worldwide safety agency certification including CAT IV IEC / EN 61010-1 8 kV requirement
- High creepage distance

APPLICATIONS

- Industrial communication buses
- High-speed A/D and D/A converters
- Digital control and high performance switch mode power supplies
- Industrial controller I/O interfaces
- Signal isolation transformer replacement
- AC motor drives
- IPM drivers
- Harsh environment
- Smart metering

RESOURCES

- High-speed product portfolio: www.vishay.com/optocouplers/opto-high-speed/
- Design support tools: www.vishay.com/optocouplers/opto-high-speed/tab/designtools/
- Technical support: optocoupleranswers@vishay.com



OPTOCOUPLERS

High Speed

Part Number	Package	Channel(s)	CTR _{min.} (%)	t _{PLH} Typ. (μs)	t _{PHL} Typ. (μs)	CMR Typ. (V/μs)	Data Rate 100 Kbaud
6N139	DIP-8	1	500	6.0	4.0	500	
SFH6138	DIP-8	1	300	2.0	4.0	500	
SFH6139	DIP-8	1	500	6.0	5.0	500	
SFH6318T	SOIC-8	1	300	2.0	2.0	500	
SFH6319T	SOIC-8	1	500	6.0	4.0	500	
SFH636	DIP-6	1	15	0.3	0.3	1000	

Part Number	Package	Channel(s)	CTR _{min.} (%)	t _{PLH} Typ. (μs)	t _{PHL} Typ. (μs)	CMR Typ. (V/μs)	Data Rate 1 MBd
6N135	DIP-8	1	5	0.3	0.3	1000	
6N136	DIP-8	1	15	0.2	0.2	1000	
SFH6135	DIP-8	1	5	0.3	0.3	1000	
SFH6136	DIP-8	1	15	0.2	0.2	1000	
SFH6315T	SOIC-8	1	5	0.5	0.5	1000	
SFH6316T	SOIC-8	1	15	0.3	0.5	1000	
SFH6343T	SOIC-8	1	15	0.3	0.5	30 000	
SFH6345	DIP-8	1	15	0.3	0.3	30 000	
SFH6325	DIP-8	2	5	0.3	0.6	1000	
SFH6326	DIP-8	2	15	0.2	0.5	1000	
VOM452	SOP-5	1	15	0.5	0.3	1000	
VOM453	SOP-5	1	15	0.5	0.3	15 000	
VOW135	DIP-8 Widebody	1	7	0.7	0.3	1000	
VOW136	DIP-8 Widebody	1	19	0.5	0.3	1000	
VOH1016A	DIP-6	1	-	0.25	0.05	10.000	

Part Number	Package	Channel(s)	I _{TH} Typ. (mA)	t _{PLH} Typ. (ns)	t _{PHL} Typ. (ns)	CMR Typ. (V/μs)	Data Rate 10 MBd
6N137	DIP-8	1	2.4	48	50	1000	
6N137A	DIP-8	1	1.8	45	32	1000	
VO2601	DIP-8	1	2.4	48	50	10 000	
VO2611	DIP-8	1	2.4	7	50	25 000	
VO0600T	SOIC-8	1	2.4	48	50	1000	
VO0601T	SOIC-8	1	2.4	48	50	10 000	
VO0611T	SOIC-8	1	2.4	48	50	25 000	
VO2630	DIP-8	2	2.4	48	50	1000	
VO2631	DIP-8	2	2.4	48	50	10 000	
VO4661	DIP-8	2	2.4	48	50	25 000	
VO0630T	SOIC-8	2	2.4	48	50	1000	
VO0631T	SOIC-8	2	2.4	48	50	10 000	
VO0661T	SOIC-8	2	2.4	48	50	25 000	
VOW137	DIP-8 Widebody	1	2.4	48	46	10 000	
VOW2611	DIP-8 Widebody	1	2.4	48	46	40 000	

