



DIODES

Standard Rectifiers with ESD Capability

**100 V, 200 V, 400 V, and 600 V Standard Rectifiers With ESD Capability
in the Low-Profile SMPD (TO-263AC) Package for Automotive Applications**



KEY BENEFITS

- Oxide planar chip technology
- Very low-profile SMPD (TO-263AC) package with typical height of 1.7 mm
- Current ratings range: 10 A to 20 A
- Low forward voltage drop down to 0.96 V
- ESD capability
- AEC-Q101 qualified
- RoHS-compliant and halogen-free
- Ideal for automated placement

APPLICATIONS

- General purpose power line polarity protection in automotive applications

RESOURCES

- Datasheets: see next page for list of datasheets featured in this product sheet
- For technical questions contact: Rectifiers@vishay.com
- Material categorization: For definitions of compliance, please see www.vishay.com/doc?99912





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Standard Rectifiers with ESD Capability

Designed for automotive applications, these 100 V to 600 V standard rectifiers combine ESD capability with a wide range of current ratings from 10 A to 20 A. The devices' SMPD (TO-263AC) package features an extremely low profile with a typical height of 1.7 mm, and is compatible with the D²PAK footprint.

PRODUCT CATEGORIES	Vishay P/N	I _F (A)	V _{RRM} (V)	V _F at I _F and T _J			I _{FSM} (A)	T _J max (°C)
				V _F (V)	I _F (A)	T _A (°C)		
Standard	SE10DBHM3/I	10	100	0.96	10	125	110	175
	SE10DDHM3/I	10	200	0.96	10	125	110	
	SE10DGHM3/I	10	400	0.96	10	125	110	
	SE10DJHM3/I	10	600	0.96	10	125	110	
	SE12DBHM3/I	12	100	0.96	12	125	125	
	SE12DDHM3/I	12	200	0.96	12	125	125	
	SE12DGHM3/I	12	400	0.96	12	125	125	
	SE12DJHM3/I	12	600	0.96	12	125	125	
	SE20DBHM3/I	20	100	1.03	20	125	150	
	SE20DDHM3/I	20	200	1.03	20	125	150	
	SE20DGHM3/I	20	400	1.03	20	125	150	
	SE20DJHM3/I	20	600	1.03	20	125	150	

