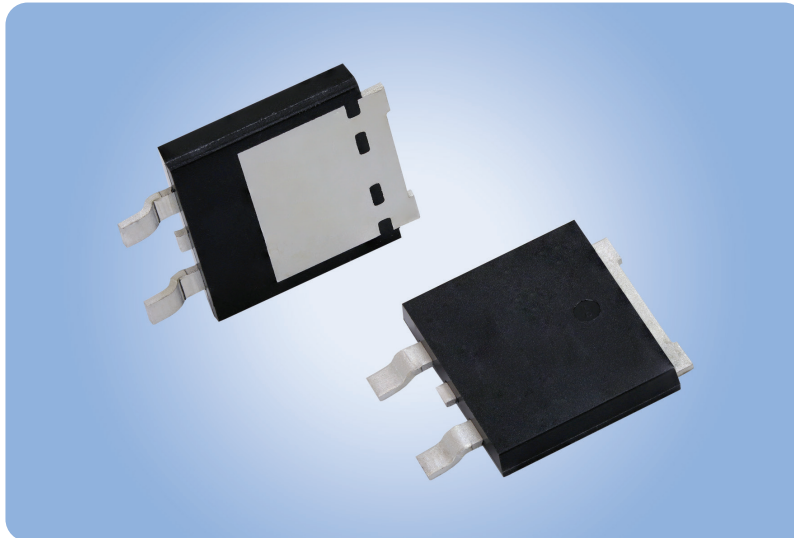




DIODES

Standard Rectifiers With ESD Capability

100 V, 200 V, 400 V, and 600 V Standard Rectifiers With ESD Capability in the Low Profile SMPD 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
- Ideal for automated placement

APPLICATIONS

- General purpose power line polarity protection in automotive applications

RESOURCES

- Datasheets: see next page for products
- For technical questions contact: DiodesAmerica@vishay.com, DiodesAsia@vishay.com, DiodesEurope@vishay.com
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





DIODES

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.

I _{FAV} (A)	PART NUMBER	V _{RRM} (V)	V _F at I _F (T _A = 125 °C)		I _{FSM} (A)	T _J max. (°C)	AEC-Q101 QUALIFIED
			V _F (V)	I _F (A)			
10	SE10DB	100	0.96	10	110	175	Yes
	SE10DD	200					
	SE10DG	400					
	SE10DJ	600					
12	SE12DB	100	1.03	20	150	175	Yes
	SE12DD	200					
	SE12DG	400					
	SE12DJ	600					
20	SE20DB	100	1.03	20	150	175	Yes
	SE20DD	200					
	SE20DG	400					
	SE20DJ	600					