



# BZD SERIES ZENER DIODES

IN SMF (DO-219AB) PACKAGE WITH SURGE CURRENT SPECIFICATION



Full voltage range: **3.6 V to 200 V**  
**2 %** Zener voltage tolerance

**Zener** and **surge current** specification



**Low** leakage current

**ESD capability** to **AEC-Q101**

- Human body model > 8 kV
- Machine model > 800 V

**RoHS**  
COMPLIANT

**HALOGEN**  
**FREE**  
Available

**AUTOMOTIVE**  
GRADE  
Available

**AEC-Q101**  
Qualified



Operating **temperature** range:  
**-65 °C to +175 °C**



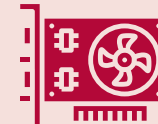
## APPLICATIONS



AUTOMOTIVE



ELECTRICAL  
LIGHTING



SMPS



INDUSTRIAL

- VOLTAGE STABILIZATION / VOLTAGE REGULATION
- OVERVOLTAGE SURGE PROTECTION

Vishay P/N	Qualification Level	Environmental Status	T <sub>J</sub> Max. (°C)	Zener Voltage Tolerance (%)	Zener Voltage Range (V)	Test Current I <sub>ZT</sub>	V <sub>BR</sub> (V)	V <sub>WM</sub> (V)	P <sub>PPM</sub> (W)	V <sub>Z</sub> Specifications	Circuit Configuration	Polarity
<a href="#">BZD27B Series</a>		RoHS-compliant	175	2	3.6 to 200	5 to 100	7.35 to 196	6.2 to 160	150	Pulse current	Single	Uni-directional
<a href="#">BZD27B-M Series</a>		Halogen-free										
<a href="#">BZD27C Series</a>		RoHS-compliant	175	5	3.6 to 200	5 to 100	7 to 188	6.2 to 160	150	Pulse current	Single	Uni-directional
<a href="#">BZD27C-M Series</a>		Halogen-free										

For Technical Questions: [DiodesAmericas@vishay.com](mailto:DiodesAmericas@vishay.com), [DiodesEurope@vishay.com](mailto:DiodesEurope@vishay.com), or [DiodesAsia@vishay.com](mailto:DiodesAsia@vishay.com)

© 2019 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.