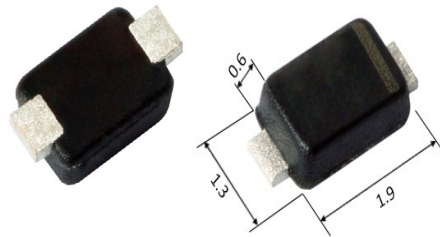




BAT165 40 V Schottky Diode in the Low-Profile, Symmetrical MicroSMF (DO-219AC) Package

The BAT165 is AEC-Q101 qualified; provides a MSL moisture level of 1 per J-STD-020, LF maximum peak of +260 °C; meets the JESD 201 Class 2 whisker test, and is RoHS-compliant and Vishay Green. The device's symmetrical MicroSMF package is ideal for automated placement and can be wave and reflow soldered, and allows for automated optical inspection (AOI) systems.



eSMP® Series MicroSMF (DO-219AC)

Device Specification Table

Part Number	Package	AEC-Q101 Qualified	Reverse Voltage (V)	Forward Current (A)	Forward Surge Current (A)
BAT165-G3/H	MicroSMF (DO-219AC)	No	40	0.75	2.5
BAT165-HG3/H	MicroSMF (DO-219AC)	Yes	40	0.75	2.5

Features

- Forward current $I_F \leq 0.75$ A
- Reverse Voltage $V_R \leq 40$ V
- High forward surge current rating I_{FSM} of 2.5 A
- AEC-Q101 qualified
- Very small, symmetrical MicroSMF package

Applications

- Automotive - airbag
- Clamping
- Bias isolation
- Reverse polarity protection
- Switch mode power supply



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Samples

Available at the Vishay Sample Service Center (VSSC)

Useful Links

- BAT165 (www.vishay.com/ppg?86134)

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