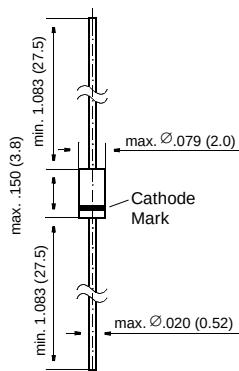


BAT48

Schottky Diodes

DO-35



Dimensions in inches and (millimeters)

FEATURES

- ◆ For general purpose applications.
- ◆ These diodes feature very low turn-on voltage and fast switching. These devices are protected by a PN junction guard ring against excessive voltage, such as electrostatic discharges.
- ◆ This diode is also available in the Mini-MELF case with type designations LL46.



MECHANICAL DATA

Case: DO-35 Glass Case

Weight: approx. 0.13 g

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Forward Continuous Current at $T_{amb} = 25\text{ °C}$	I_F	350 ¹⁾	mA
Repetitive Peak Forward Current at $t_p < 1\text{ s}$, $\delta < 0.5$, $T_{amb} = 25\text{ °C}$	I_{FRM}	1 ¹⁾	A
Surge Forward Current at $t_p < 10\text{ ms}$, $T_{amb} = 25\text{ °C}$	I_{FSM}	7.5 ¹⁾	A
Power Dissipation ¹⁾ at $T_{amb} = 65\text{ °C}$	P_{tot}	330 ¹⁾	mW
Junction Temperature	T_j	125	°C
Ambient Operating Temperature Range	T_{amb}	-65 to +125	°C
Storage Temperature Range	T_S	-65 to +150	°C
¹⁾ Valid provided that leads at a distance of 4 mm from case are kept at ambient temperature			