

0.016 (0.4) 0.010 (0.2)

# SMALL SIGNAL SCHOTTKY DIODE

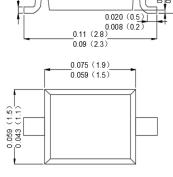


·Low turn-on voltage low capacitance

- Ultrafast switching
- · Ideal for single or double, UHF balanced mixer,
- modulators and phase detectors

#### **Mechanical Data**

- Case:Molded Plastic,SOD-323
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable per MIL-STD-750,Method-2026
- Mounting Position : Any.
- Marking:FO



0.008 (0.2) 0.004 (0.1)

Dimensions in inches and (millimeters)

# Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Reverse Voltage	V <sub>R</sub>	4	V
Forward Current	I <sub>F</sub>	30	mA
Power Dissipation	P <sub>tot</sub>	200	mW
Thermal resistance junction to ambient air <sup>1)</sup>	$R_{ extsf{ heta}JA}$	500	°C/W
Junction Temperature	TJ	125	°C
Storage Temperature	T <sub>stg</sub>	- 65 to + 150	٥C

<sup>1)</sup> Valid provided that electrodes are kept at ambient temperature.

#### **Electrical Characteristics** (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I <sub>R</sub> = 10 μA	V <sub>(BR)R</sub>	4	-	V
Maximum Forward Voltage at I <sub>F</sub> = 10 mA	V <sub>F</sub>	-	600	mV
Reverse Leakage Current at $V_R = 3 V$ at $V_R = 3 V$ , $T_a = 60 \circ C$	I <sub>R</sub>	-	0.25 1.25	μA
Diode Capacitance at V <sub>R</sub> = 0 V, f = 1 MHz	C <sub>D</sub>	-	1	pF

version:00

SOD-323

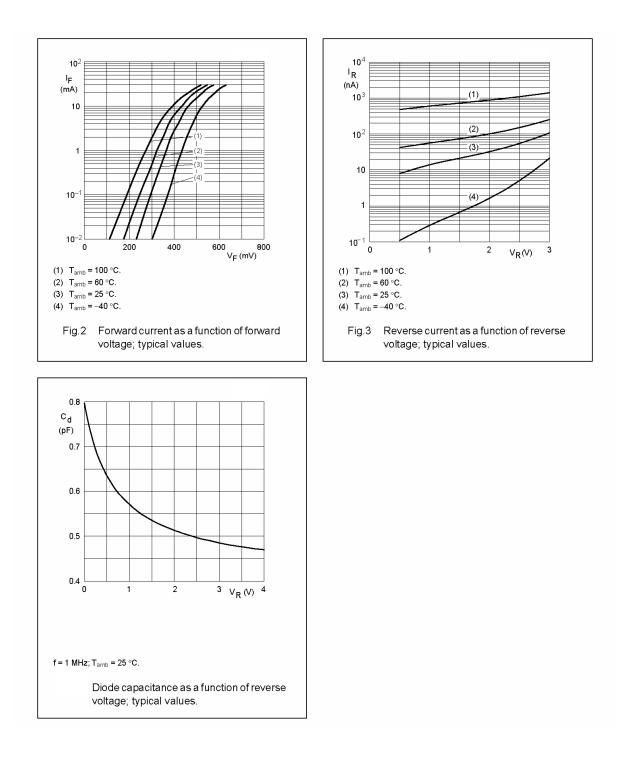
(0.10)

(1.2)

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## **Rating And Characteristic Curves**



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