

0.016 (0.4) 0.010 (0.2)

SMALL SIGNAL SCHOTTKY DIODE

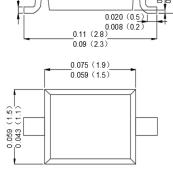


·Low turn-on voltage low capacitance

- 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 _R	4	V
Forward Current	I _F	30	mA
Power Dissipation	P _{tot}	200	mW
Thermal resistance junction to ambient air ¹⁾	$R_{ extsf{ heta}JA}$	500	°C/W
Junction Temperature	TJ	125	°C
Storage Temperature	T _{stg}	- 65 to + 150	٥C

¹⁾ 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 _R = 10 μA	V _{(BR)R}	4	-	V
Maximum Forward Voltage at I _F = 10 mA	V _F	-	600	mV
Reverse Leakage Current at $V_R = 3 V$ at $V_R = 3 V$, $T_a = 60 \circ C$	I _R	-	0.25 1.25	μA
Diode Capacitance at V _R = 0 V, f = 1 MHz	C _D	-	1	pF

version:00

SOD-323

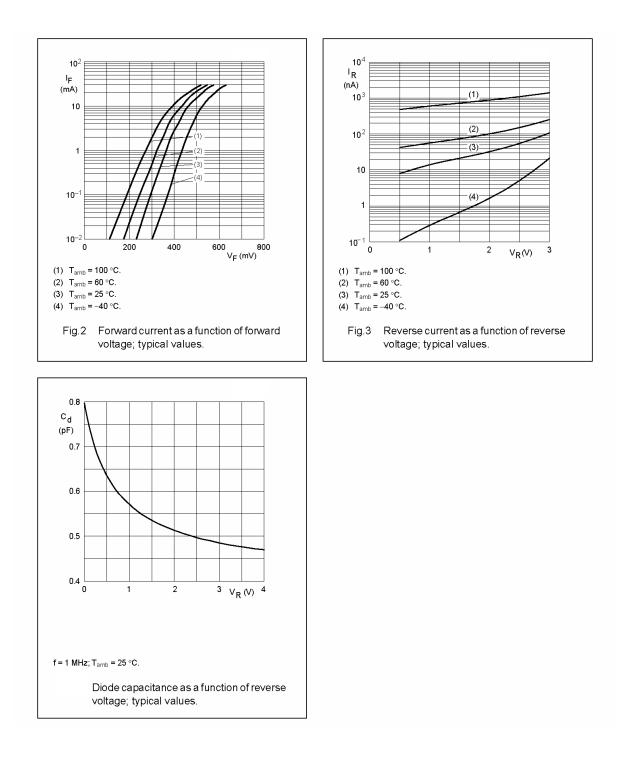
(0.10)

(1.2)

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Rating And Characteristic Curves



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