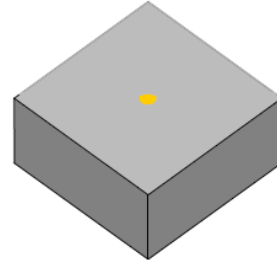


Features

- Rugged Construction
- C12P Package Style

Description

The MNP0008 is a silicon NIP diode.



Electrical Specifications: $T_C = +25^\circ\text{C}$

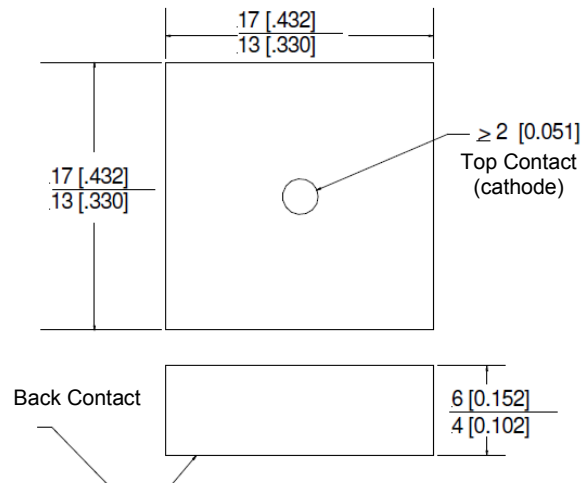
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Voltage Breakdown	$I_R = 10 \mu\text{A}$	V	100	—	—
Forward Voltage	$I_F = 50 \text{ mA}$	mV	—	—	990
Capacitance	$V_R = 10 \text{ V}, 1 \text{ MHz}$	pF	—	0.08	0.12
Series Resistance	$I_F = 10 \text{ mA}, 100 \text{ MHz}$	Ω	—	2.0	2.5
Lifetime	$I_F = 10 \text{ mA}, I_R = 6 \text{ mA}, 50\%$	ns	—	150	—
I Layer	—	μm	—	10	—

Absolute Maximum Ratings^{1,2}

Parameter	Absolute Maximum
Reverse Voltage	100 V
Operating Temperature	-65°C to $+150^\circ\text{C}$
Storage Temperature	-65°C to $+150^\circ\text{C}$

1. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. MACOM does not recommend sustained operation near these survivability limits.

Outline, C12P



Dimensions in mils [mm]

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