

Silicon NIP Diode

Rev. V1

Features

- Rugged Construction
- C32P Package Style

Description

The MNP0014A is a silicon NIP diode.



Electrical Specifications: T_c = +25°C

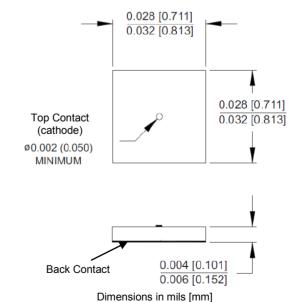
Parameter	Test Conditions	Units	Min.	Тур.	Max.
Voltage Breakdown	I _R = 10 μA	V	500	_	
Forward Voltage	I _F = 100 mA	mV		_	950
Capacitance	V _R = 50 V, 1 MHz	pF	_	_	0.22
Series Resistance	I _F = 100 mA, 500 MHz	Ω	_	_	1.2
Lifetime	I _F = 10 mA, I _R = 6 mA, 50%	ns	_	1400	_

Absolute Maximum Ratings^{1,2}

Parameter	Absolute Maximum		
Reverse Voltage	500 V		
Power Dissipation	6.5 W, derate linearly to 0 @ +150°C		
Operating Temperature	-65°C to +150°C		
Storage Temperature	-65°C to +150°C		

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

Outline, C32P



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MNP0014A



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