


Diode PIN 250V 100mA 2-Pin CSMD

Manufacturer:	<u>MACOM Technology Solutions</u>
Package/Case:	nul
Product Type:	Thyristors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

MACOM's manufactures a series of silicon PIN limiter diodes with small and medium I-region lengths which are specifically designed for high signal applications. The devices are designed to provide low insertion loss, at zero bias, as well as low flat leakage power with fast signal response/recovery times. Parts are available as discrete die or assembled into a variety of surface mount or ceramic pill packages. See the Available Case Style table on page 6 for the specific ceramic package styles and their availability for individual part numbers. The MA4L and MADL-0110 Series of PIN limiter diodes are designed for use in passive limiter control circuits to protect sensitive receiver components such as low noise amplifiers (LNA), detectors, and mixers covering the 10 MHz to 18 GHz frequency range.

Key Features

- Low Insertion Loss and Noise Figure
- Proven Reliable, Silicon Nitride Passivation
- Low Flat Leakage Power
- Various P1dB Compression Powers
- High Peak and Average Operating Power
- Aerospace and Defense
- ISM

Application

- Junction Capacitance: 0.3 pF
- Resistance: 1.2
- Max CW Power: 10 W
- Thermal Resistance: 25
- Input P1dB: 32 dBm
- Voltage Rating: 250 V
- Lifetime: 800 nS
- Max Peak Power: 1,000 W

Recommended For You

MA4E1310

MACOM Technology Solutions
nul

MADL-011023-14150T

MACOM Technology Solutions
IC

MA4ST1231-1141T

MACOM Technology Solutions
SOD-323

MAVR-044769-12790T

MACOM Technology Solutions
SOD-523

MA4P7436-1141T

MACOM Technology Solutions
SOD-323

MA4PH235-1072T

MACOM Technology Solutions
SMD

MA4P1250-1072T

MACOM Technology Solutions
SMD

MA4P604-131

MACOM Technology Solutions
Chip

MADR-009150

MACOM Technology Solutions
QFN

MA144769-287T

MACOM Technology Solutions
SOT23

MA4P7446F-1091T

MACOM Technology Solutions
SMD

MA4PK2001

MACOM Technology Solutions
nul

MA4P504-132

MACOM Technology Solutions
SMD

MA4P7418-1072T

MACOM Technology Solutions
SMD

MA4E2502L-1246

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