
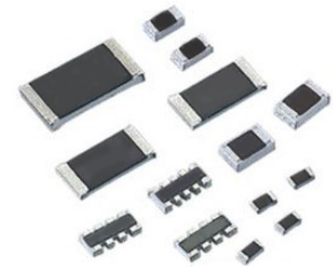


Diode PIN Attenuator/Switch 500V 2-Pin ODS-1072 T/R

Manufacturer:	MACOM Technology Solutions
Package/Case:	SMD
Product Type:	Thyristors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

MACOM's broad line of packaged PIN diodes encompass a comprehensive range of electrical characteristics and package outlines. This diverse union of semiconductor technology and chip packaging gives considerable flexibility to the circuit designer. The fast switching series of Packaged PIN Diodes utilize a thin I-region, silicon oxide or glass passivated chip which provides for low leakage current and low insertion loss. With the use of in process control monitors to regulate wafer fabrication parameters, these devices will achieve consistent performance in control circuit applications. The high voltage product line of Packaged PIN Diodes employs MACOM's CERMACHIP® passivation process which provides for a hard glass encapsulation that hermetically seals and protects the active area of the chip. These packaged CERMACHIP® PIN diodes are ideally suited for use in high power applications where high level RF voltages are present. The diode chips are bonded into sealed ceramic packages that are designed for the most stringent electrical and environmental conditions. An extensive choice of package styles are available which may be used in a wide variety of RF microwave circuits. The Packaged PIN Diodes series are designed to have a high inherent reliability and may be ordered screened to meet many MIL-STD requirements.

Key Features

- High Power
- RoHS Compliant
- Available Screened for Military Applications
- Assortment of Packages Styles
- Wide Selection of Capacitances
- Wide Selection of Carrier Lifetimes
- Voltage Ratings to 1500 Volts
- Fast Speed
- Aerospace and Defense
- ISM

Application

- Min Frequency: 0 MHz
- Resistance: 0.5 Ohm
- Total Capacitance: 0.65 pF
- Total Capacitance: 0.7 pF
- CW Power Dissipation: 15 W
- Breakdown Voltage, Minimum: 500 V
- Max Frequency: 1,500 MHz
- Lifetime: 2,000 nS

Recommended For You

MA4E1310

MACOM Technology Solutions
nul

MADL-011023-14150T

MACOM Technology Solutions
IC

MA4STI231-1141T

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

MACOM Technology Solutions
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