

MLA0090D

Dual Schottky Diode For 10-900Mhz

MECSINE 兆赫

For 10-900MHz
Dual Schottky Diode

MLA0090D

2.1 x 2.1mm

All Use For RF & Microwave

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FEATURES

- 1, Low Forward Voltage 0.6 V @ $I_F = 10$ mA
- 2, Very Low Capacitance
- 3, RoHS compliance (Pb-Free)

DESCRIPTION

The MLA0090D is a dual schottky diodes, it's designed primarily for UHF mixer applications, detector and ultra-fast switching circuits.. All components are 100% RF tested.

MAXIMUM RATINGS

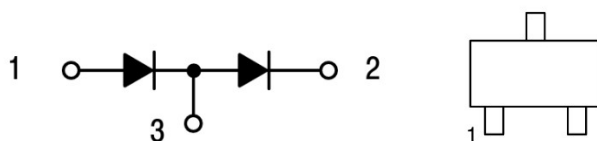
Parameter	Ratings	Units
Continuous Reverse Voltage	7	V _{CC}
Forward Voltage ($I_F = 10$ mAdc)	0.6	V
Storage Temperature Range	-55~+125	°C
Junction Temperature (T _j)	150	°C

ELECTRICAL CHARACTERISTICS

Item	Typ.	Unit.
Capacitance (C _j)	1.0@ (V _R = 0 V, f = 1.0 MHz)	pF
Reverse Voltage Leakage Current	0.2 5@ (V _R = 3.0 V)	uA
	10 @ (V _R = 7.0 V)	
Insertion Loss (IL)	0.05@ F=10MHz	dB
	0.1@ 100MHz	
	1.25 @ 1000MHz	

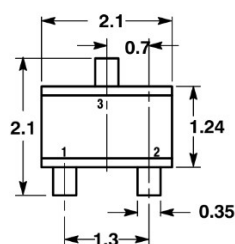
- Ta: +25±5°C

FUNCTIONAL BLOCK DIAGRAM



SHAPES AND DIMENSIONS

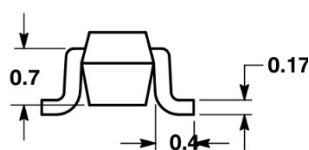
Top View



Side View



Bottom View



Unit: mm

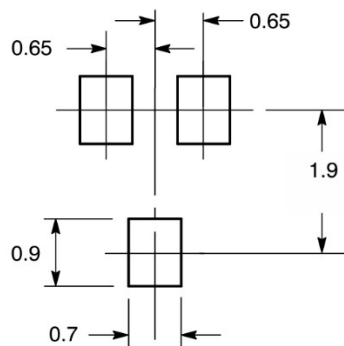
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Recommended PCB Layout



Device	Package	Reel	Shipping
MLA0090D	SOT323	7"	3000 Reel

Revision	Description	Date
Rev0	Preliminary	2024/2/26

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