

MLLF2500D32

Low Pass Filter For DC-2500Mhz

MECSINE 兆讯

Low Pass Filter

For DC-2500MHz

MLLF2500D32

3.2 x 1.6mm [EIA 1608]

All Use For RF & Microwave

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FEATURES

- 1, Low Insertion Loss
- 2, Small size in 1608
- 3, Excellent high-power capacity up to 10W
- 4, RoHS compliance (Pb-Free)



DESCRIPTION

The MLLF2500D32 is a high-performance low pass filter in an easy used surface mount package. The MLLF2500D32 is ideal for low insertion loss and wide band application. It is suitable used in smart phone, 5G module and other IOT modules. It is based on LTCC Technology which possess excellent electrical and mechanical stability. All components are 100% RF tested.

MAXIMUM RATINGS

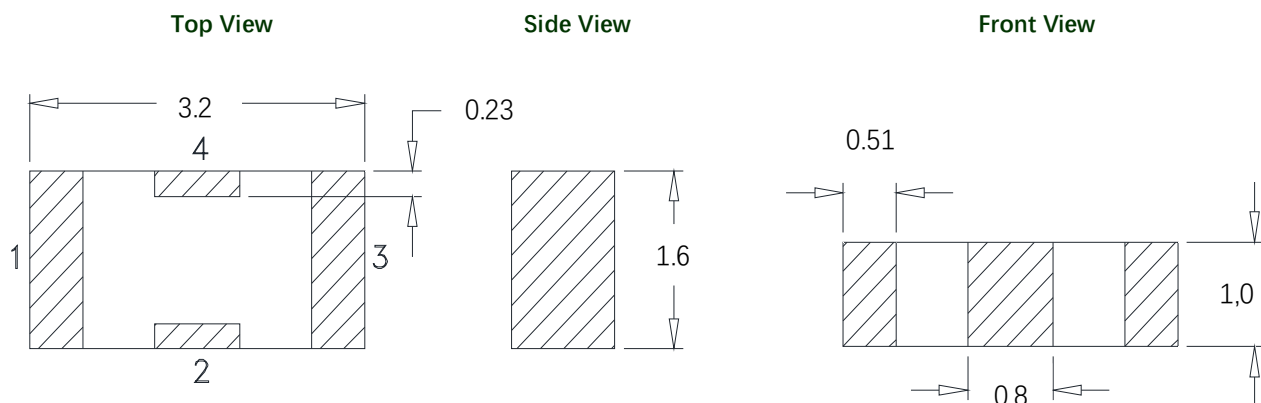
Parameter	Ratings	Units
RF Power (in BW)	40	dBm
Operating Temperature Range	-55~+105	°C
Storage Temperature Range	-55~+125	°C
Moisture Sensitivity Levels	2	MSL
ESD Level Human Body Model	1000	V

ELECTRICAL CHARACTERISTICS

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	DC to 2500	-	0.8	1.5
Return Loss (dB)	DC to 2500	10	15	-
Attenuation (dB)	3500 to 3800	20	25	-
	3800 to 6000	30	35	-
	6000 to 8000	25	35	-
Characteristics Impedance (Ω)		50 (Nominal)		

- Ta: +25±5°C

SHAPES AND DIMENSIONS



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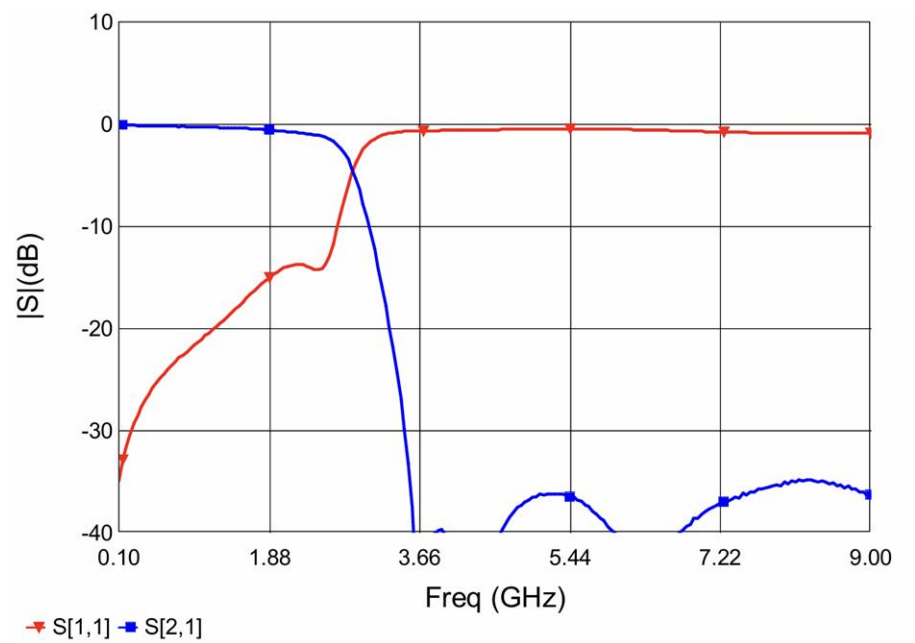
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Unit: mm

Terminal Functions	
1	Input
2/4	GND
3	Output

FREQUENCY CHARACTERISTICS



Device	Package	Reel	Shipping
MLLF2500D32	3.2*1.6mm	7"	3000 Reel

Revision	Description	Date
Rev0	Preliminary	2024/2/26
Rev1	Packaging	2025/2/24