Dielectric Band Pass Filter

For 1520-1616MHz

MDBF1567B95L

9.6*6.9mm

MDBF1567B95L

Dielectric Band Pass Filter For 1520-1615Mhz

FEATURES

1, Low Insertion Loss

2, Excellent temperature stability

3, Excellent high-power capacity up to 5W

4, RoHS compliance (Pb-Free)

DESCRIPTION

The MDBF1567B95L offer low insertion loss in very small form factors, using ceramic material with high dielectric constant and superior Q factor. Low insertion loss combined with excellent power handling makes these filters well suited for transmitter and receiver signal chains. All components are 100% RF tested.

MAXIMUM RATINGS

Parameter	Ratings	Units
RF Power (in BW)	37	dBm
Operating Temperature Range	-40~+85	℃
Storage Temperature Range	-40~+85	℃
Pass Band Insertion Loss	0.85	dB
Pass Band VSWR	2	: 1

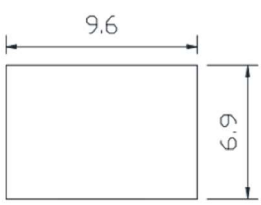
ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)
1367	-34.5	-0.21
1467	-8.94	-1.13
1520	-0.71	-27.8
1567	-0.59	-20.2
1615	-0.61	-20.8
1667	-4.96	-2.78
1767	-21.3	-0.34
2550	-31.7	-0.13

- Ta: +25±5°C

SHAPES AND DIMENSIONS

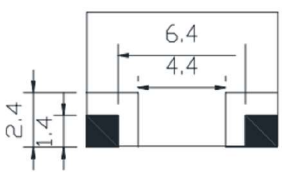
Top View



Side View



Bottom View



Terminal Functions	
1	Input
2	Output
3	GND

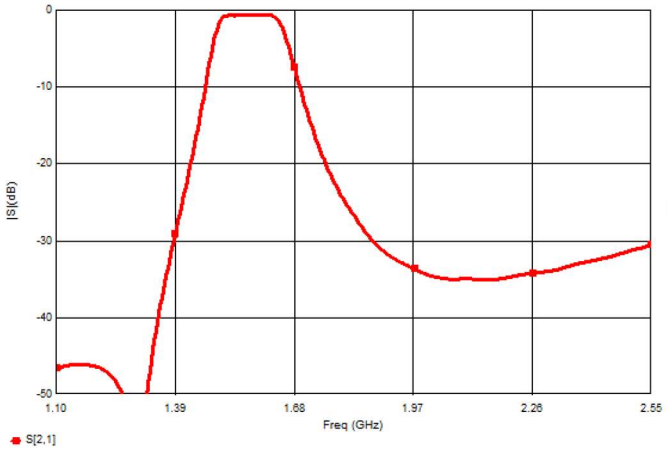
Unit: mm

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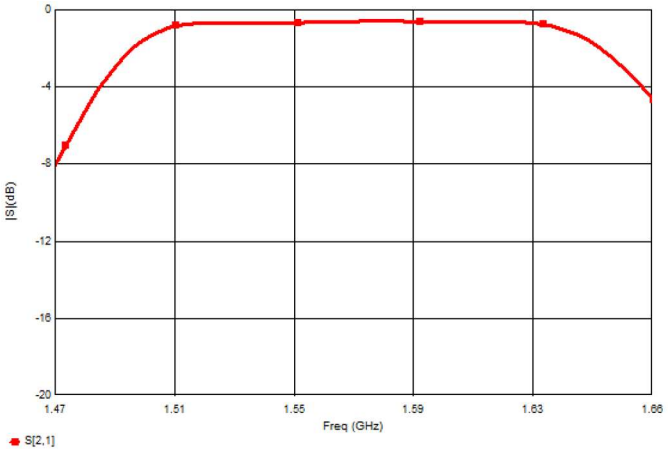
Dielectric Band Pass Filter For 1520-1615Mhz

FREQUENCY CHARACTERISTICS

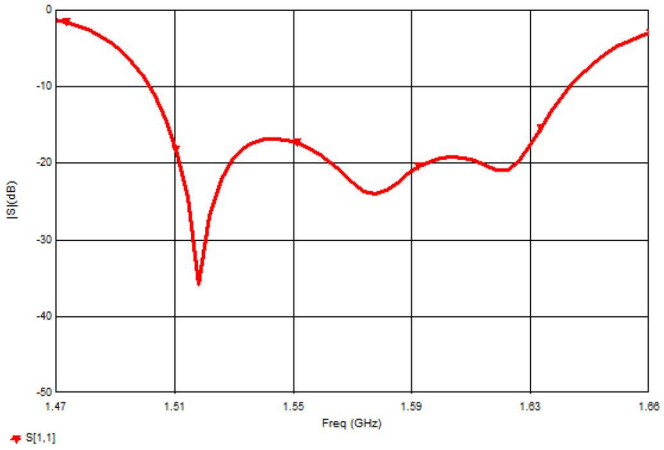
Wide Band Response



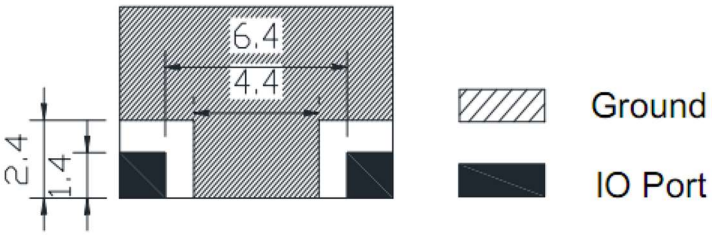
Pass Band Response



Output Return Loss



RECOMMENDED LAND PATTERN AND EVALUATION BOARD



Revison	Description	Date
Rev0	Preliminary	2024/2/26