

MLBF3750D21

Band Pass Filter For 3300-4200Mhz

MECSINE 兆讯

Band Pass Filter

For 3300-4200MHz

MLBF3750D21

2.0 x 1.25mm [EIA 0805]

All Use For RF & Microwave

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FEATURES

- 1, Low Insertion Loss
- 2, Small size in 0805
- 3, Excellent high-power capacity up to 2W
- 4, RoHS compliance (Pb-Free)

DESCRIPTION

The MLBF3750D21 is a low cost, high performance band pass filter in an easy to use surface mount package. The MLBF3750D21 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 constructed from ceramic which possess excellent electrical and mechanical stability. All components are 100% RF tested.

MAXIMUM RATINGS

Parameter	Ratings	Units
RF Power (in BW)	33	dBm
Operating Temperature Range	-40~+85	°C
Storage Temperature Range	-40~+85	°C
Moisture Sensitivity Levels	3	MSL
ESD Level Human Body Model	3000	V

ELECTRICAL CHARACTERISTICS

Low-Band

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	3300 to 4200	-	1.25	2
Return Loss (dB)	3300 to 4200	10	15	-
Attenuation (dB)	690 to 915	35	40	-
	1559 to 1606	35	40	-
	1710 to 2300	30	35	-
	2515 to 3000	5	-	-
	4900 to 5900	10	-	-
Characteristics Impedance (Ω)			50 (Nominal)	

- Ta: +25±5°C

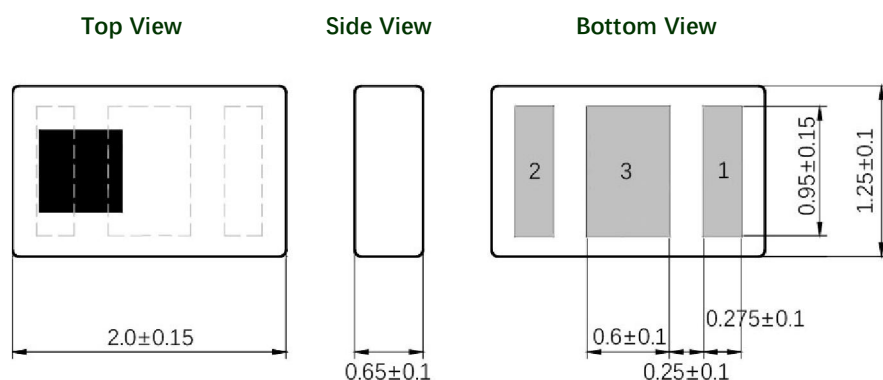
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SHAPES AND DIMENSIONS

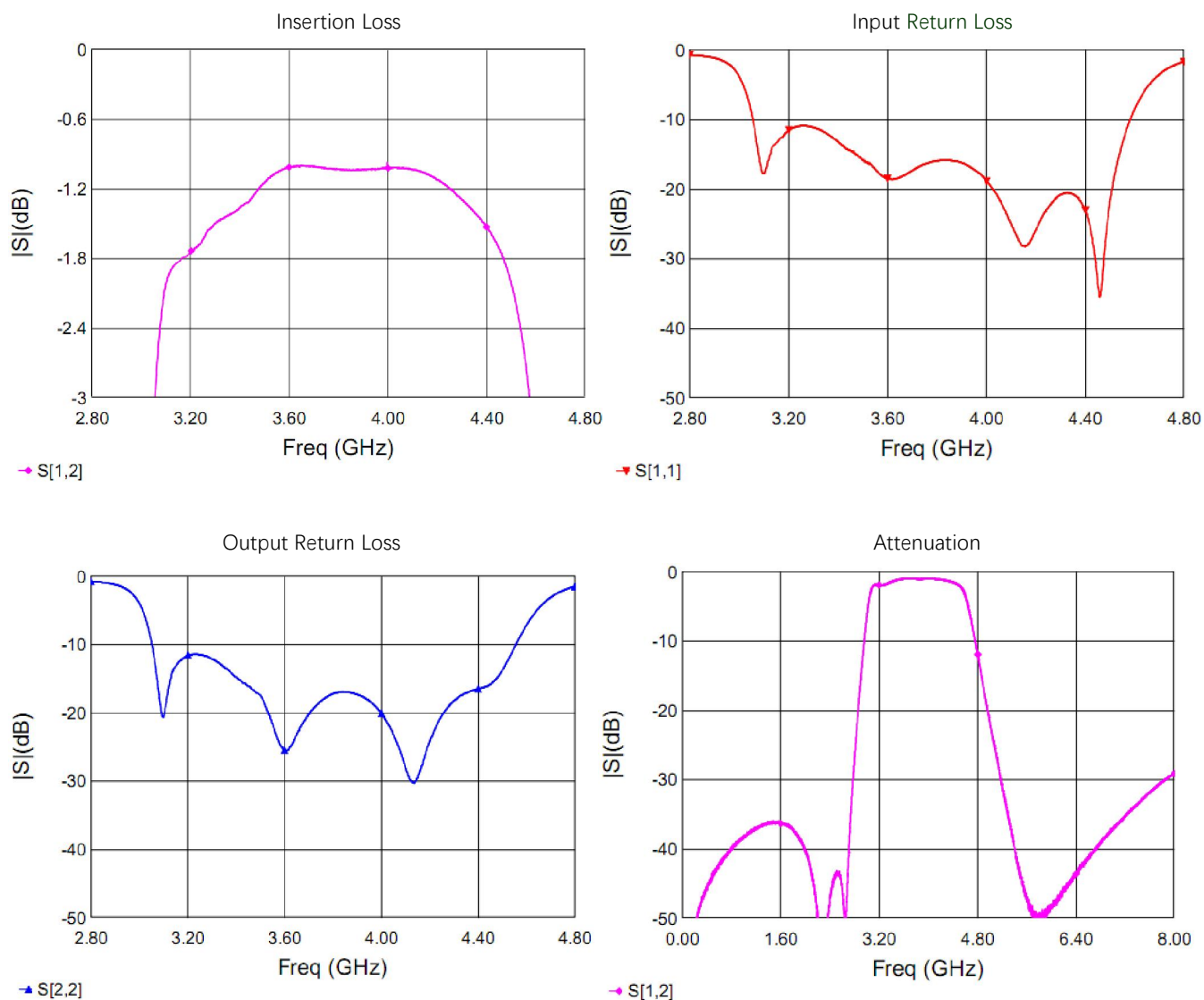


Terminal Functions

1	Input
2	Output
3	GND

Unit: mm

FREQUENCY CHARACTERISTICS



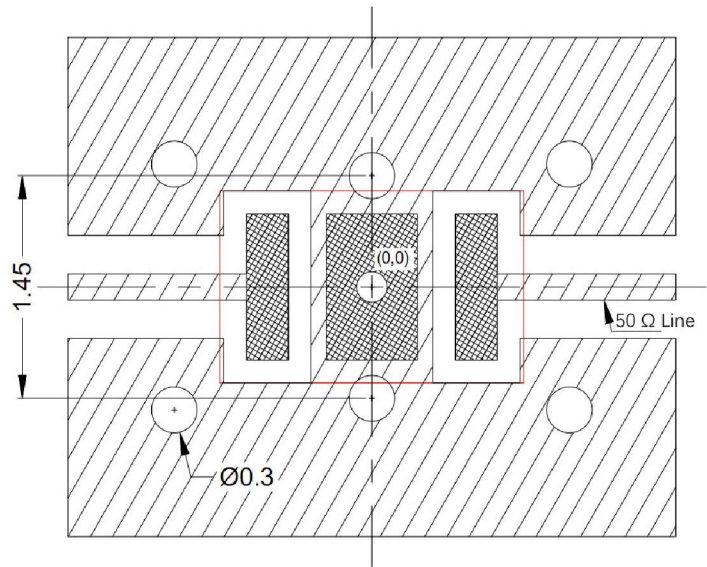
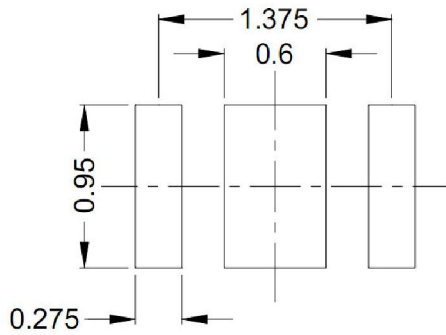
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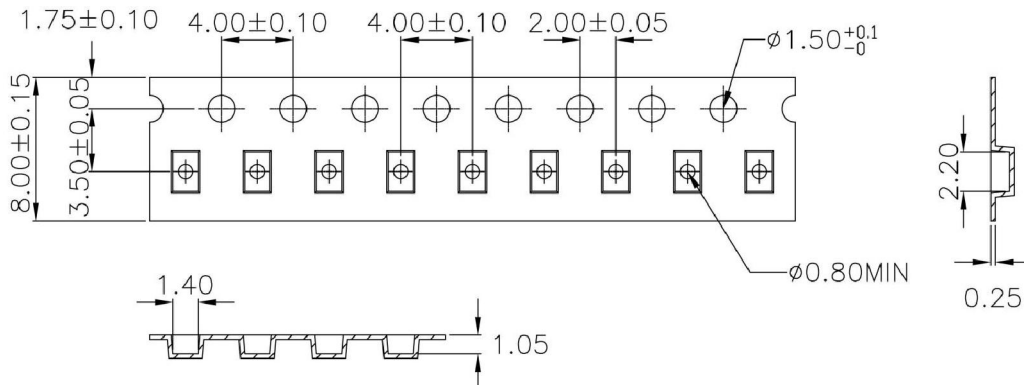
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RECOMMENDED LAND PATTERN AND EVALUATION BOARD



PACKAGING AND ORDERING INFORMATION

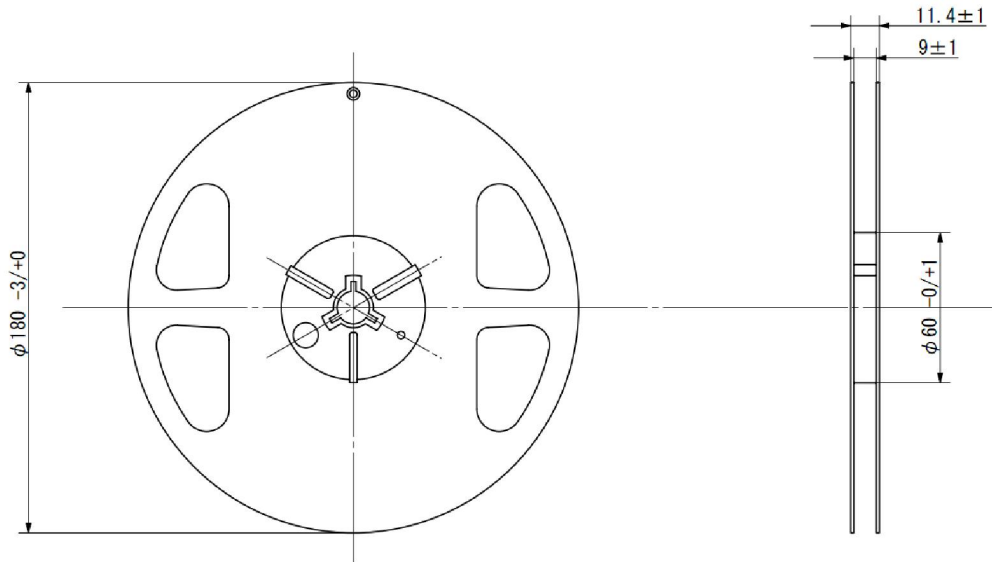


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Device	Package	Reel	Shipping
MLBF3750D2	2.0*1.25mm	7"	4000 Reel

Revision	Description	Date
Rev0	Preliminary	2024/2/26

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