

MLBF9298D43

Band Pass Filter For 9.2-9.8GHz



MECSINE 兆讯

Band Pass Filter

For 9.2-9.8GHz

MLBF9298D43

4 x 2.8mm

All Use For RF & Microwave

Shenzhen Megsine technology co., ltd www.megsine.com sales@megsine.com may contain us for future information
Feb. 03, 2024

MLBF9298D43

Band Pass Filter For 9.2-9.8GHz

MiPD[®]

MECSINE 兆讯

FEATURES

- 1, Small size in 4*2.8mm
- 2, Ultra-Wideband high-efficiency filtering
- 3, Excellent high-frequency performance with narrow transition band
- 4, RoHS compliance (Pb-Free)
- 5, AEC-Q200 qualified

DESCRIPTION

The MLBF9298D43 is a high-performance band pass filter in an easy to use surface mount package. The MLBF9298D43 is ideal for high-frequency and wide band application. It is suitable used in wireless infrastructure , 5G module and other wireless communication system. It is based on Megsine's advanced MiPD Technology which possess excellent electrical and mechanical stability. All components are 100% RF tested.

MAXIMUM RATINGS

Parameter	Ratings	Units
RF Power (in BW)	5	W
Operating Temperature Range	-55~+105	°C
Storage Temperature Range	-55~+125	°C
Moisture Sensitivity Levels	3	MSL
ESD Level Human Body Model	3000	V

ELECTRICAL CHARACTERISTICS

Item	Frequency Range (GHz)	Min.	Typ.	Max.
Insertion Loss (dB)	9.2 to 9.8	-	-	3.5
VSWR	9.2 to 9.8	-	1.5	2
Attenuation (dB)	≤8.2	35	40	-
	≥10.8	25	30	-
Characteristics Impedance (Ω)		50 (Nominal)		

- Ta: +25±5°C

All Use For RF & Microwave

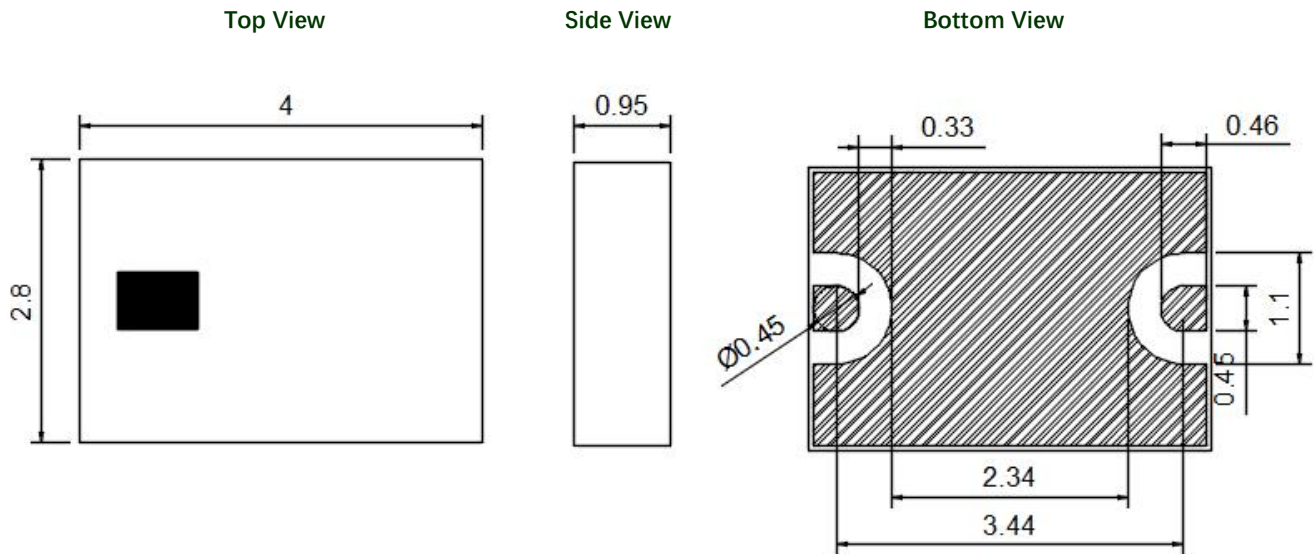
MLBF9298D43

Band Pass Filter For 9.2-9.8GHz

MiPD[®]

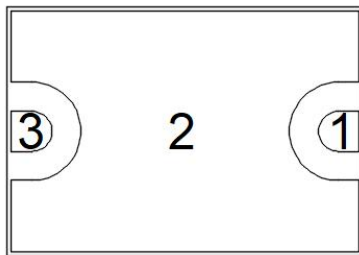
MECSINE 兆讯

SHAPES AND DIMENSIONS



Unit: mm Tolerance: ± 0.2 mm

Pin Configuration

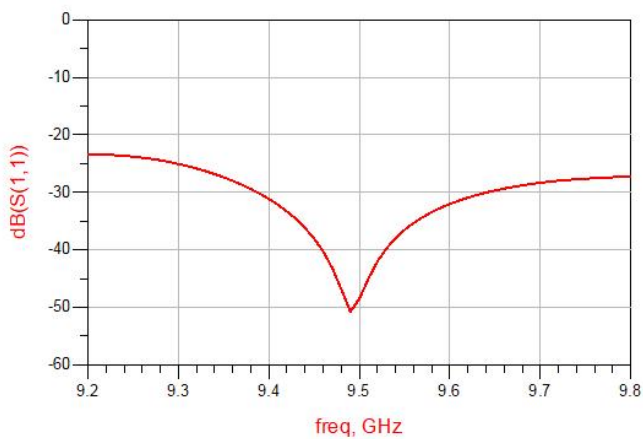


Terminal Functions

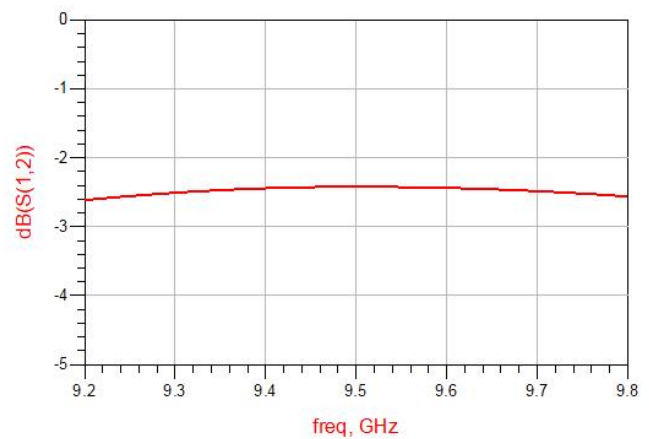
1	Input
2	GND
3	Output

FREQUENCY CHARACTERISTICS

Insertion Loss



Return Loss



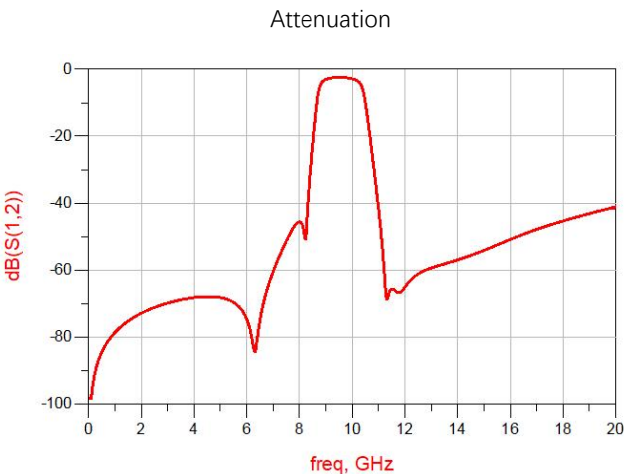
All Use For RF & Microwave

MLBF9298D43

Band Pass Filter For 9.2-9.8GHz

MiPD[®]

MECSINE 兆讯



Device	Package	Reel	Shipping
MLBF9298D43	4*2.8mm	7"	1000/ Reel

Revision	Description	Date
Rev0	Preliminary	2026/07/30

All Use For RF & Microwave