

MDBF2492B16L

Dielectric Band Pass Filter For 2484-2500Mhz



Dielectric Band Pass Filter

For 2484-2500MHz

MDBF2492B16L

4*4.25mm

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

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FEATURES

- 1, Low Insertion Loss
- 2, Excellent temperature stability
- 3, Excellent high-power capacity up to 2W
- 4, RoHS compliance (Pb-Free)

DESCRIPTION

The MDBF2492B16L 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.

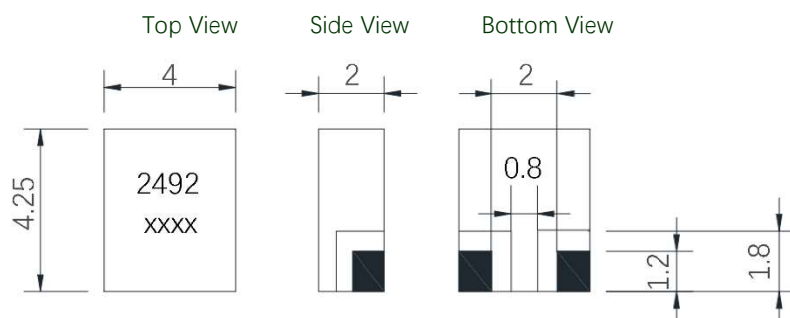
MAXIMUM RATINGS

Parameter	Ratings	Units
RF Power (in BW)	33	dBm
Operating Temperature Range	-40~+85	°C
Storage Temperature Range	-40~+85	°C
Pass Band Insertion Loss	0.85	dB
Pass Band VSWR	2	: 1

ELECTRICAL CHARACTERISTICS

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	2483.5 to 2500	-	0.6	0.8
Ripple (dB)	2483.5 to 2500	-	0.1	0.3
Attenuation (dB)	1176 to 1278	30	35	-
	1575 to 1621	30	35	-
	1621 to 1992	20	25	-
	2992 to 3300	18	20	-
VSWR Input	2483.5 to 2500	-	1.35	2
VSWR Output	2483.5 to 2500	-	1.35	2
Characteristics Impedance (Ω)		50 (Nominal)		

SHAPES AND DIMENSIONS



Terminal Functions	
1	Input
2	Output
3	GND

Unit: mm

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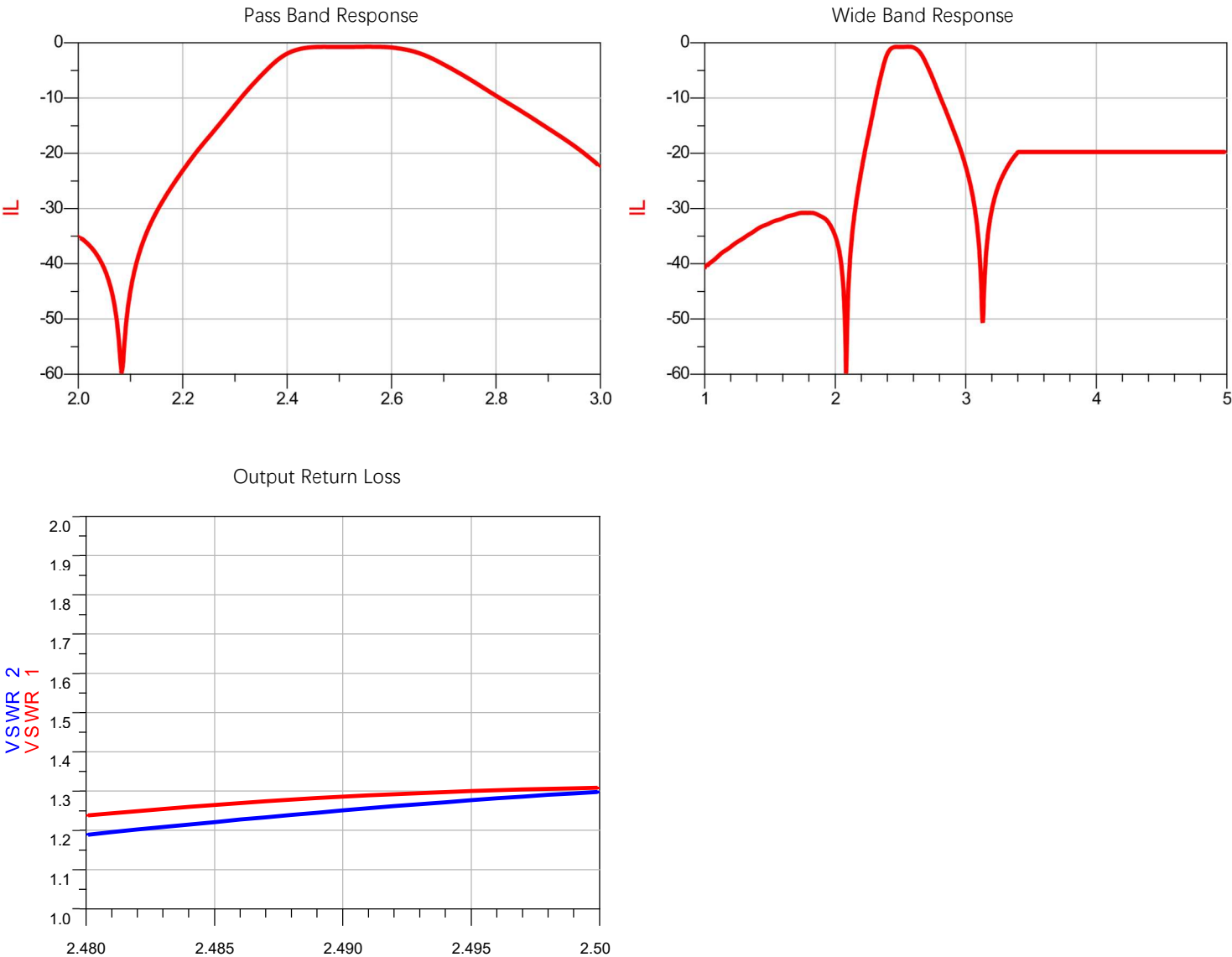
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FREQUENCY CHARACTERISTICS



Revision	Description	Date
Rev0	Preliminary	2024/2/26