

MBF2595D21

N41 160MHz BAW Filter

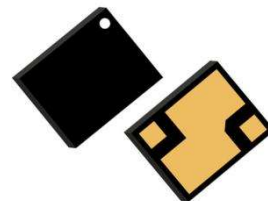


Applications

- 1, LTE Small & Base Station
- 2, DAS, PICO
- 3, Poser Amplifier System

Features

- 1, Package size 2.0 x1.6 mm
- 2, Low insertion loss
- 3, High Rejection in Band1, Band3 and 2.4G Wi-Fi Band
- 4, RoHS compatible



Description

MBF2595D21 is a 5G filter for Band N41, which is designed with BAW technology. The product can provide low insertion loss and steep skirt to enables coexistence of Band1, Band3 and Wi-Fi 2.4G signals. The typical insertion loss in the pass band is less than 1.5dB. The MBF2595D21 uses advanced module packing techniques to achieve the industry standard 2.0x1.6mm package,

Electrical Specification

Characteristic	Minimum	Typical	Maximum	Units
Insertion Loss(2515~ 2675 MHz)		1.5	3	dB
Ripple(2515~ 2675 MHz)			1.5	dB
VSWR(2515~ 2675 MHz)			2	dB
Absolute Attenuation				
100 ~ 2170 MHz	30			dB
2170 ~ 2370 MH	25			dB
2400 ~ 2440 MH	30			dB
2440 ~ 2483 MH	30			dB
2760~ 3600 MH	30			
4700~ 5000 MH	20			
Operating Temp.	-40		125	°C
Input Power			32	dBm
Moisture Sensitivity Levels		3		MSL

All the above data are based on specified demo board and tested in 25° environment.

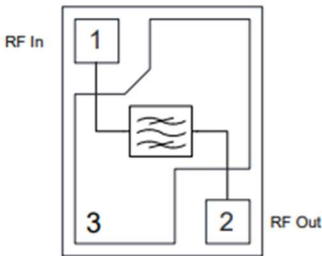
All Use For RF & Microwave

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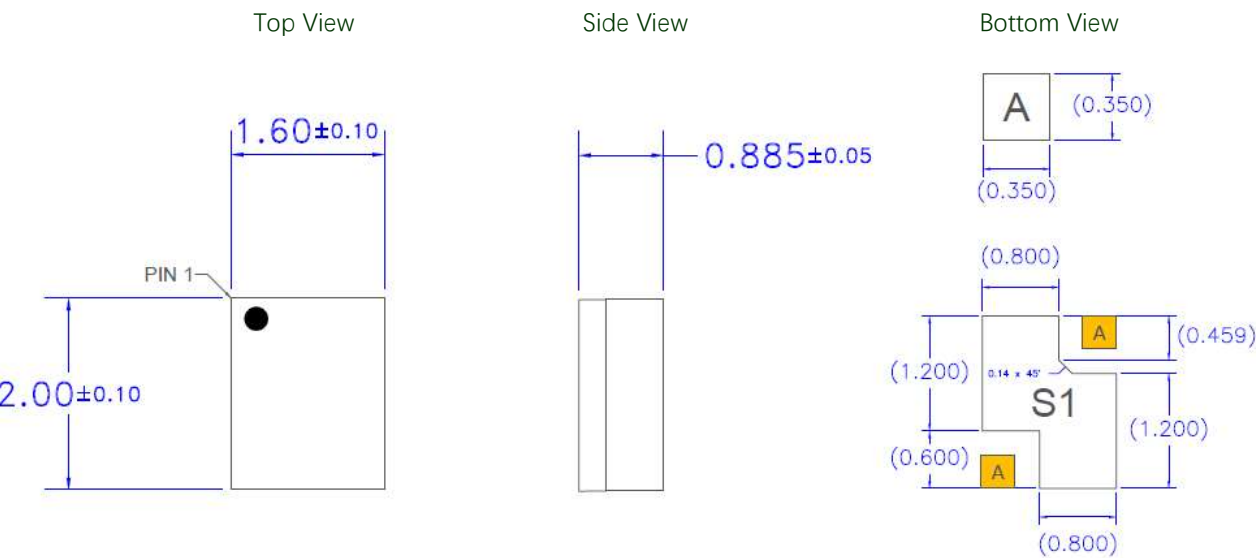


Pin Configuration

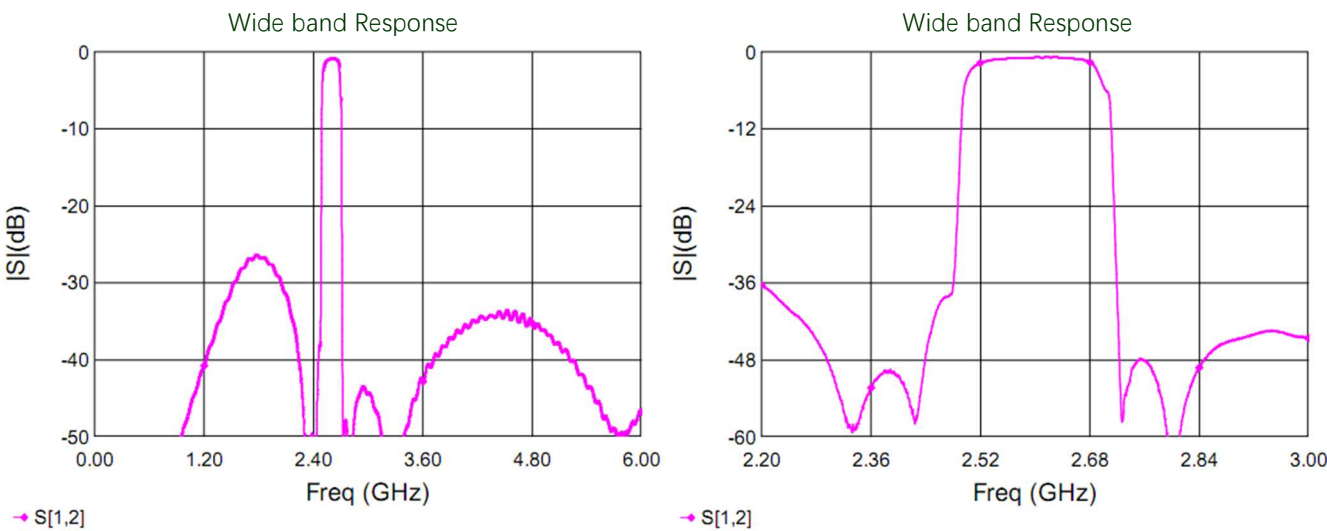


Pin No.	Label
1	RF In
2	RF Out
3	GND Back Side Paddle

Outline Drawing



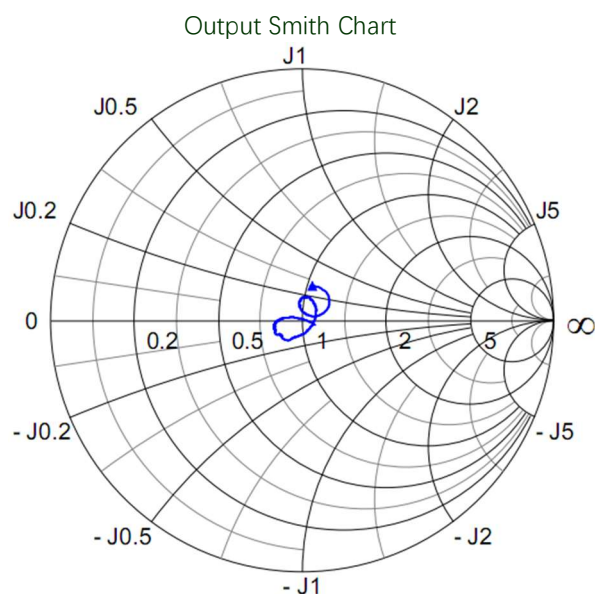
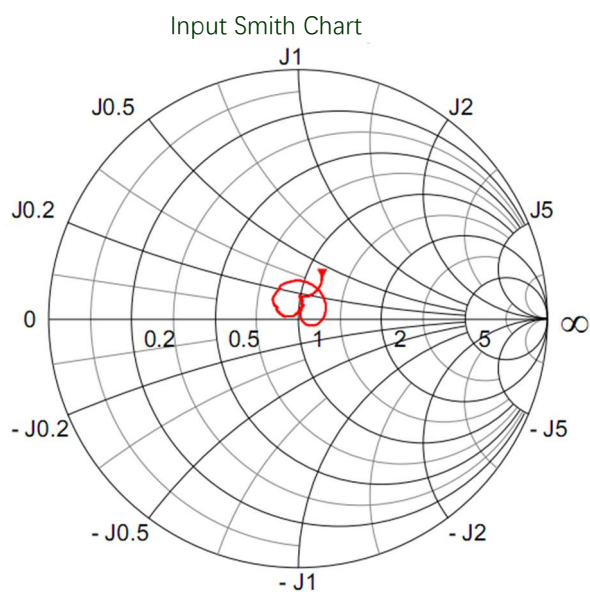
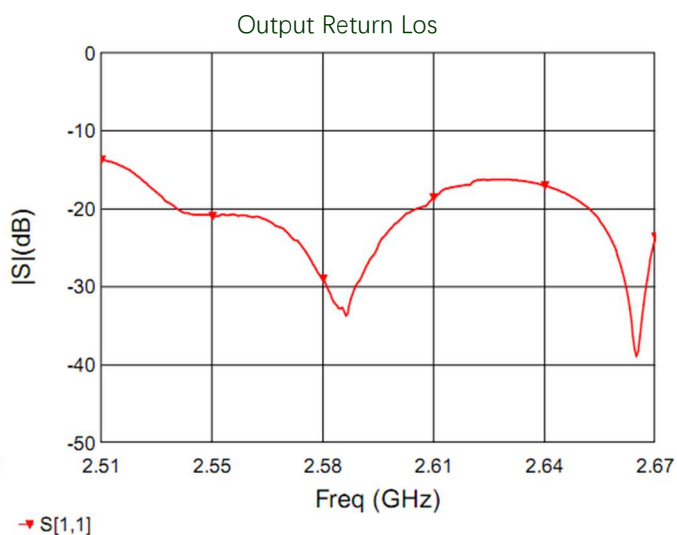
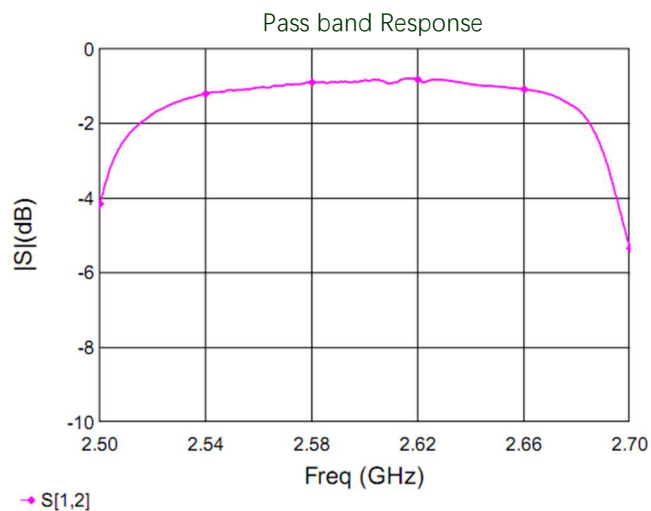
Typical Performance (Temp = +25 °C, 50 Ω system)



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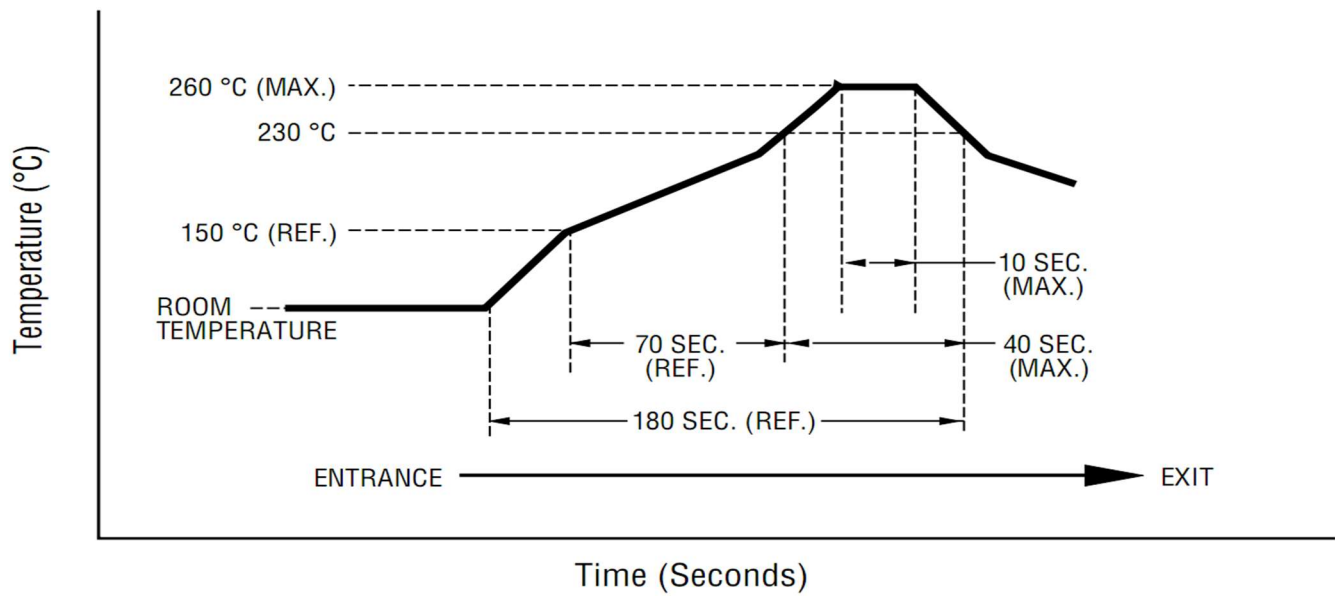
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Recommended Reflow Profile



Packaging and Ordering Information

Device	Package	Reel	Shipping
MBF2595D21	2.0*1.6	7"	2500 Reel

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Revision	Description	Date
Rev0	Preliminary	2023/5/29