

MBF2595D33

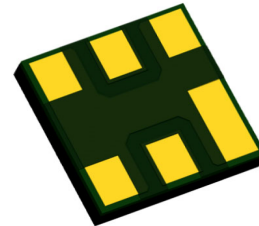
Band41 Band Pass filter for 5G



Description

MBF2592D33 is a high performance BAW Filter designed for applications in FDD Band41 (2515~2675 MHz).

provides high-Q filters and meets requirements of low insertion loss, high return loss and high out-of-band attenuation.



3.0 x 3.0 x1.2 Package

Features

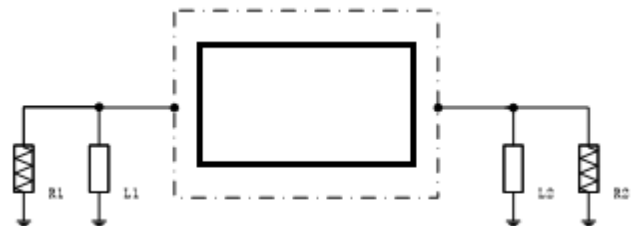
- Miniature Size
3.0 mm x 3.0 mm x 1.2 mm
- Insertion Loss:
1.5dB Typ.
- Input Power
+29dBm
- Moisture Sensitivity: MSL3
- Storage Temperature: -40 to +85 °C

Environmental

- Full implement with RoHS compliant
- Lead Free (Pb free)

Functional Block Diagram

Top View



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Electrical Specification

Transmit Port to Antenna Port				
Parameter	Min	Typ*	Max	Unit
Insertion Loss				
(2515~2675MHz)	\	2.0	3.0	dB
Ripple				
(2515~2675MHz)	\	1.3	1.5	dB
VSWR				
Tx/Rx Port (2515~2675MHz)	\	1.2	1.8	dB
Ant Port (2515~2675MHz)	\	1.2	1.8	dB
Absolute Attenuation				
(1700~2420MHz)	25	40	\	dB
(2420~2481MHz)	32	45	\	dB
(3400~3600MHz)	40	50	\	dB

Date base on speccified demo board and tested in 25° environment

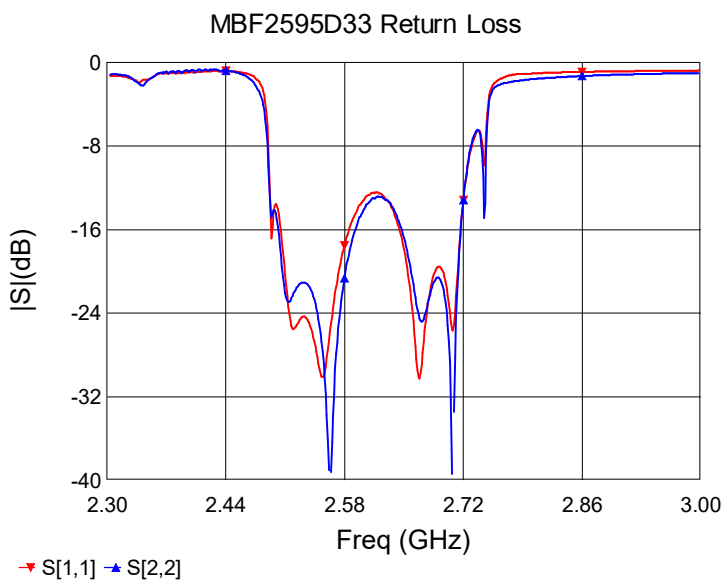
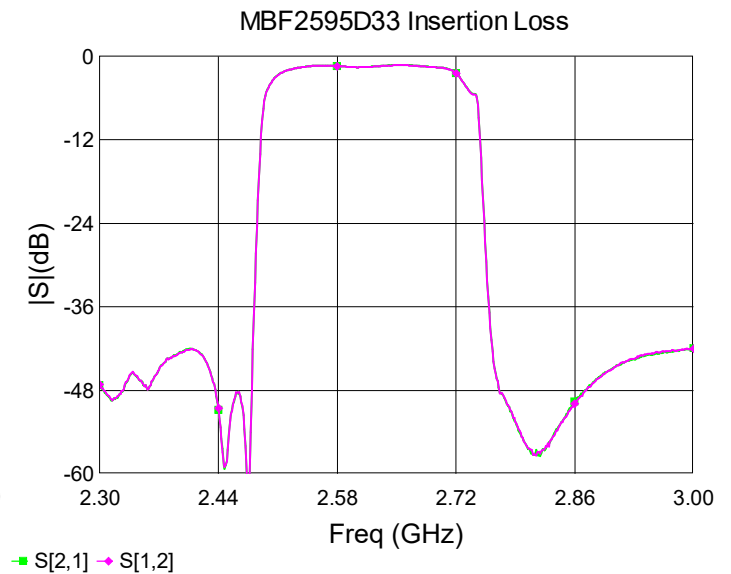
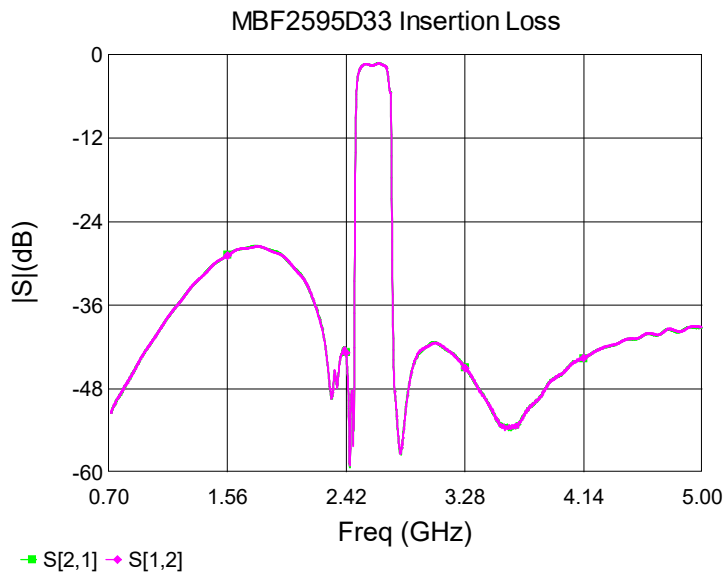
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Typical Performance at Tc=25°C



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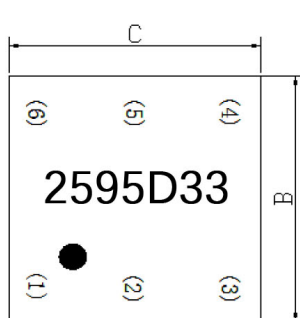
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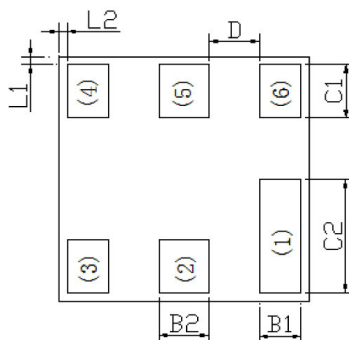
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Package Outline



Top



Bottom

Symbol	DIMENSION REQUIREMENT		
	MIN	NOM	MAX
A	1.17	1.20	1.23
A1	0.27	0.30	0.33
B	2.95	3.00	3.05
B1	0.45	0.50	0.55
B2	0.55	0.60	0.65
C	2.95	3.00	3.05
C1	0.60	0.65	0.70
C2	1.35	1.40	1.45
D	0.55	0.60	0.65
L1	0.10		
L2	0.10		

2	Input
5	Output
1, 3, 4, 6	Ground



Side View

Order Information

P/N	Qty/Reel	Container
MBF2595D33	1000	7 inch Reel

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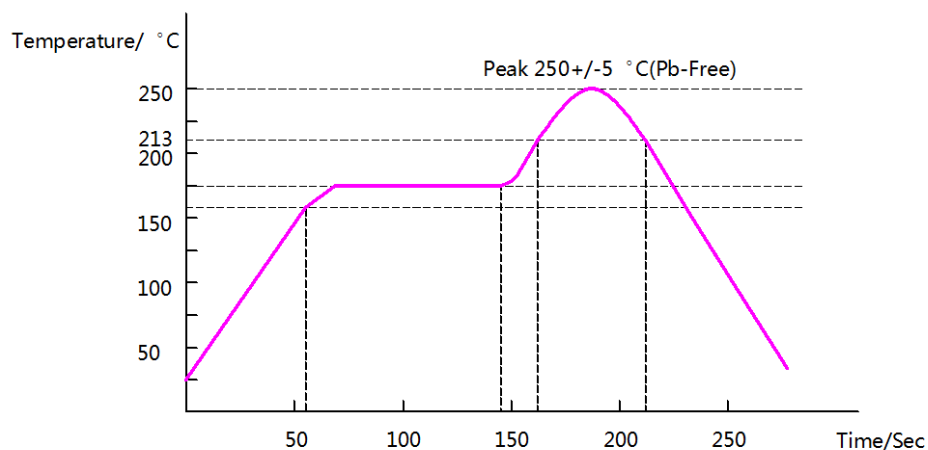
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Recommended Reflow Profile



For more information, please contact: sales@megsine.com

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Revision	Description	Date
Rev0	Preliminary	2022/06/29

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