

RSFK1575A032B2

FBAR Filter

Description

RSFK1575A032B2 is a miniature filter designed for BeiDou band equipment. RSFK1575A032B2 is designed with Film Bulk Acoustic Resonator (FBAR) technology. Typical insertion loss in the pass band is 1.2dB. Rejection at the LTE and Wi-Fi band is more than 30dB.

Features

- ✧ For BeiDou Band application
- ✧ Plastic Chip Scale Package(CSP)
- ✧ Miniature Size
 - 2.5mm x 2.0 mm x 0.75 mm
- ✧ Low Insertion loss
- ✧ Moisture Sensitivity:MSL3



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Electrical Specification

Operating Temperature range: -55 to +85°C

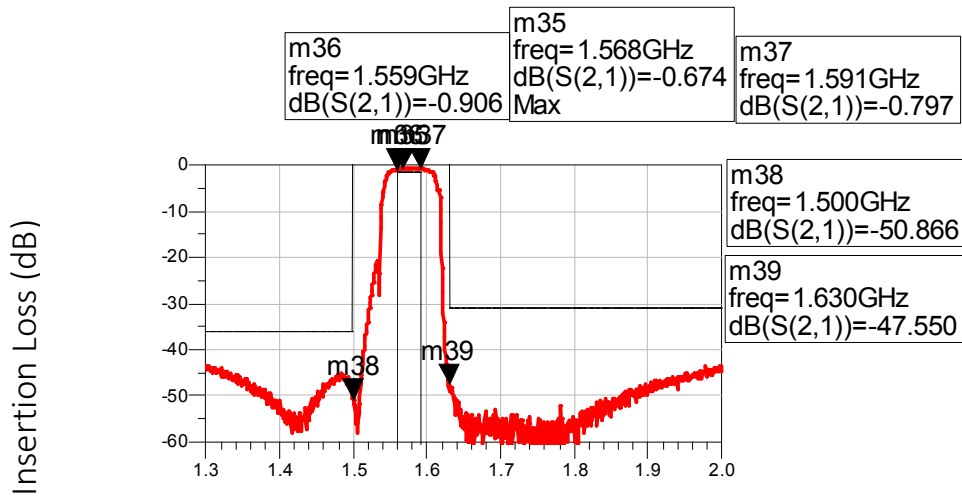
Parameter	Min	Typ	Max	Unit
Insertion Loss(1559 ~ 1591 MHz)	\	1.2	1.4	dB
1dB Passband width	32	\	\	MHz
Ripple(1559 ~ 1591 MHz)	\	0.7	1.0	dB
Return Loss(1559 ~ 1591 MHz)	12	15	\	dB
Absolute Attenuation	\			
800~1500 MHz	35	38	\	dBc
1630~2500 MHz	30	35	\	dBc

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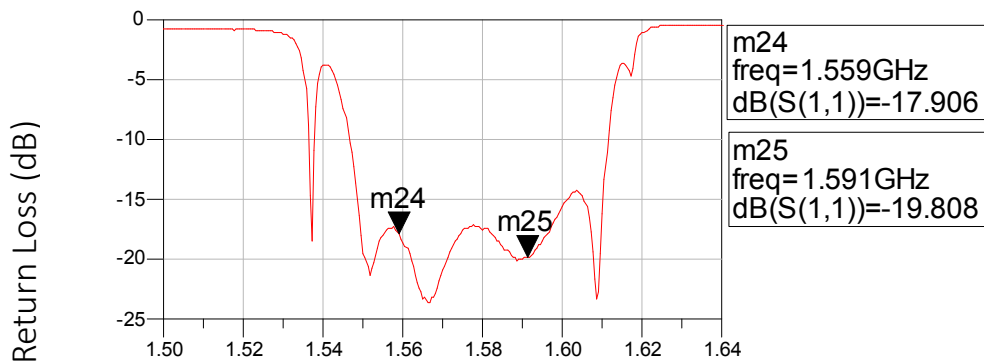
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Typical Performance at $T_c=25^\circ\text{C}$

Pass Band Response (S21)



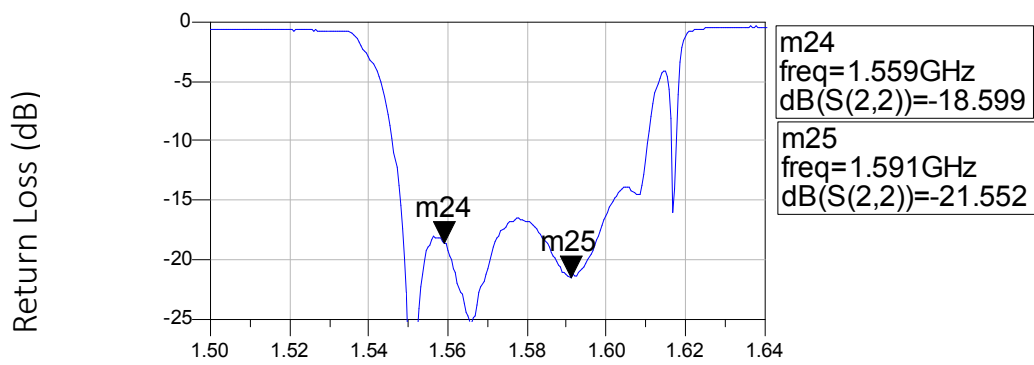
Pass Band Response (S11)



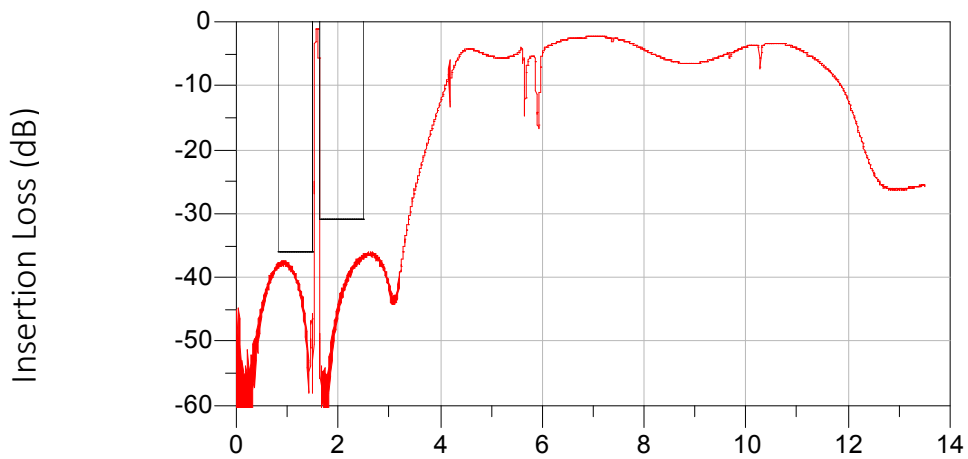
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Pass Band Response (S22)



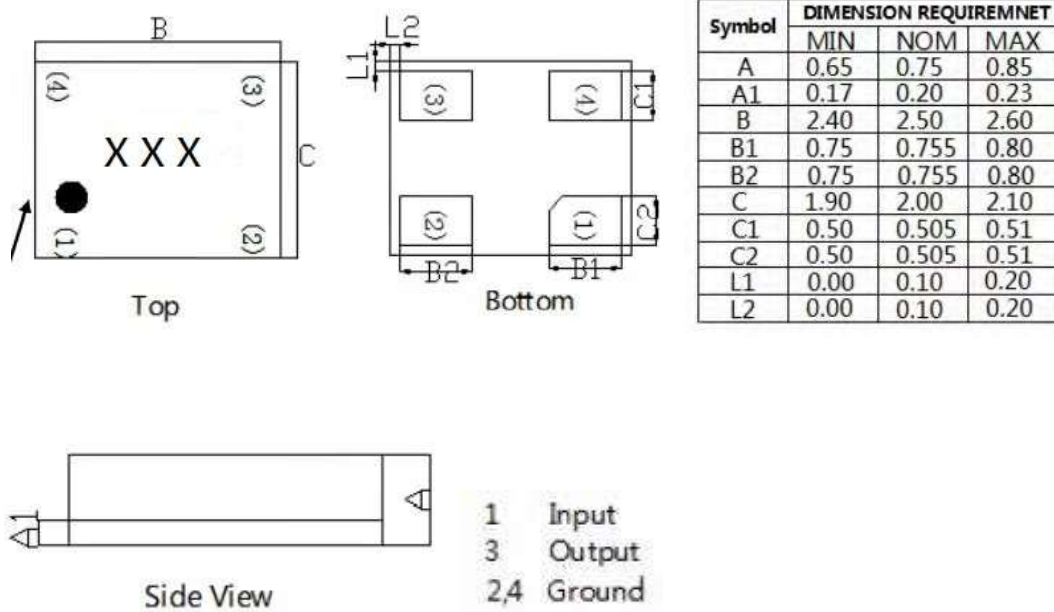
Wide Band Response (S21)



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Package Outline



Recommended IR Reflow Profile

