

RSFK1618A022B2

FBAR Filter

Description

RSFK1618A022B2 is a miniature filter designed for BeiDou band equipment. RSFK1618A022B2 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 36dB.

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

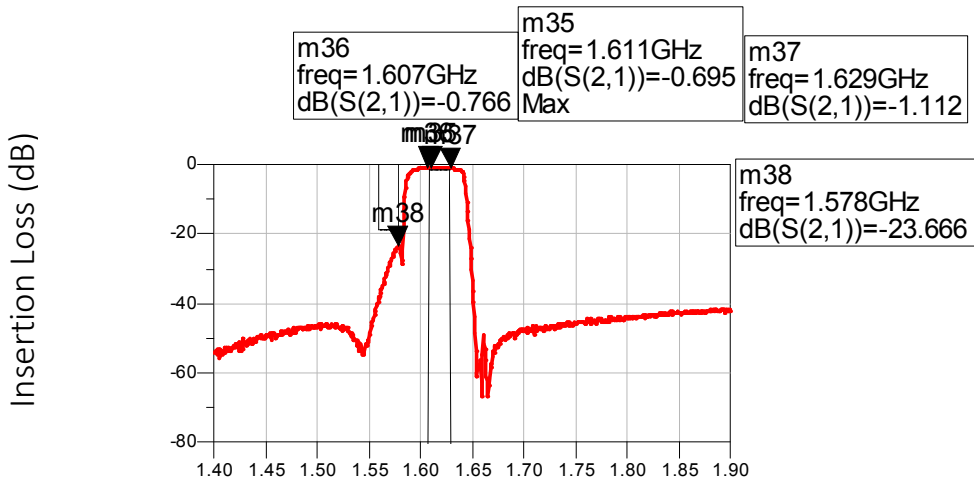
Parameter	Min	Typ	Max	Unit
Insertion Loss(1607 ~ 1629MHz)	\	1.2	1.5	dB
1dB Passband width	20	\	\	MHz
Ripple(1607 ~ 1629 MHz)	\	0.6	1.0	dB
Return Loss(1607 ~ 1629 MHz)	11	15	\	dB
Absolute Attenuation	\			
1258~1278 MHz	40	42	\	dBc
1559~1578 MHz	15	20	\	dBc

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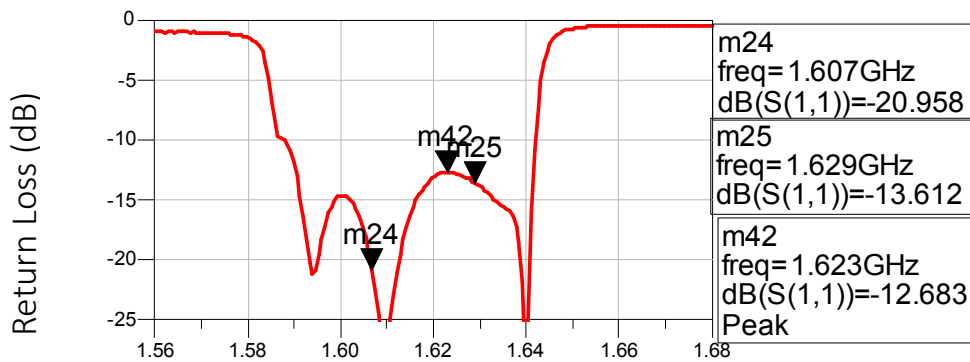
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Typical Performance at Tc=25° C

Pass Band Response (S21)



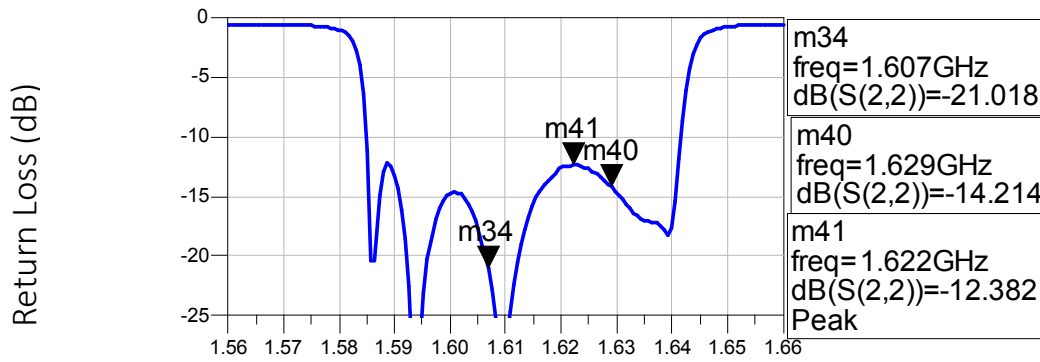
Pass Band Response (S11)



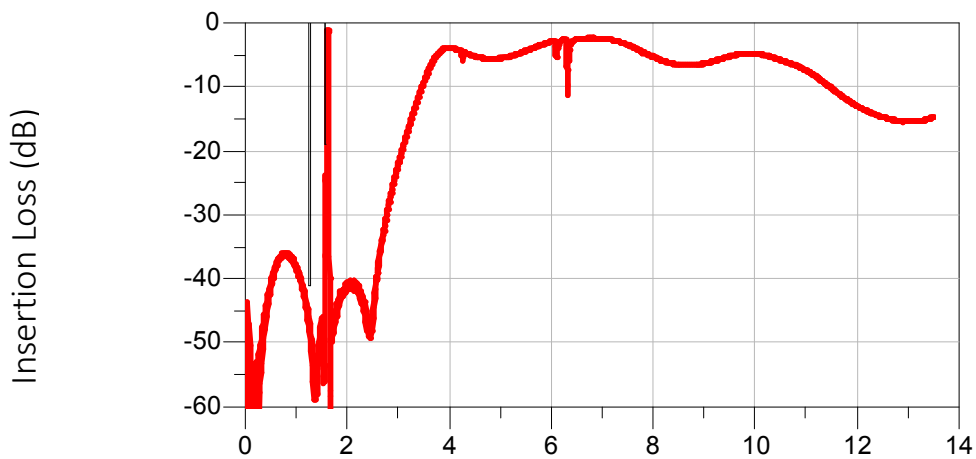
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Pass Band Response (S22)



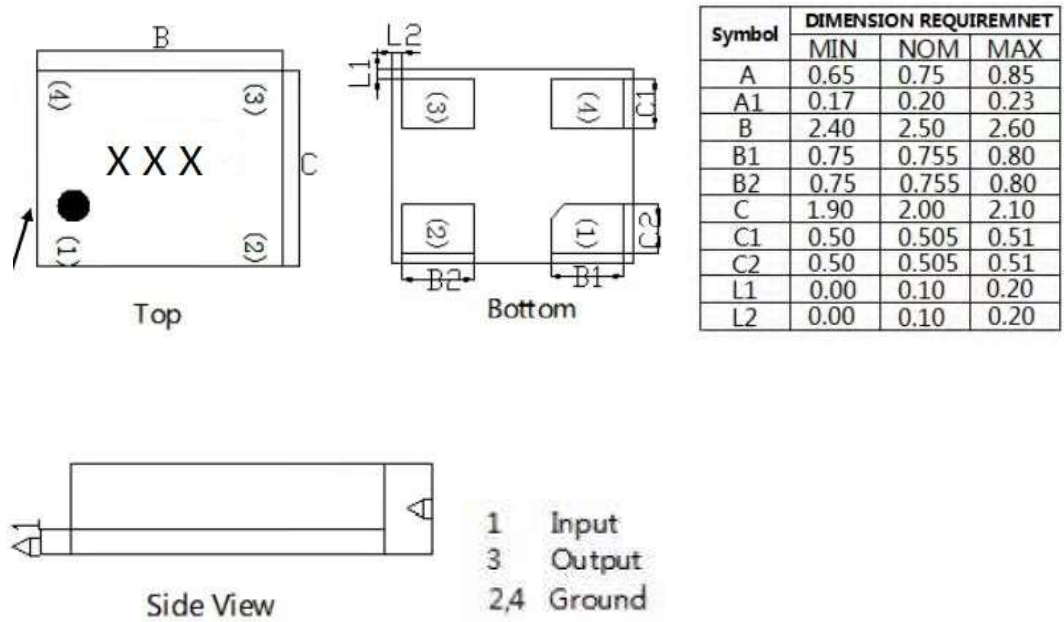
Wide Band Response (S21)



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Package Outline



Recommended IR Reflow Profile

