

RSFK1176A020B2

FBAR Filter

Description

RSFK1176A020B2 is a miniature filter designed for BeiDou band equipment. RSFK1176A020B2 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 35dB.

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
- ✧ High rejection at LTE and Wi-Fi bands.
- ✧ Moisture Sensitivity:MSL3



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Electrical Specification

Operating Temperature range: -55 to +85°C

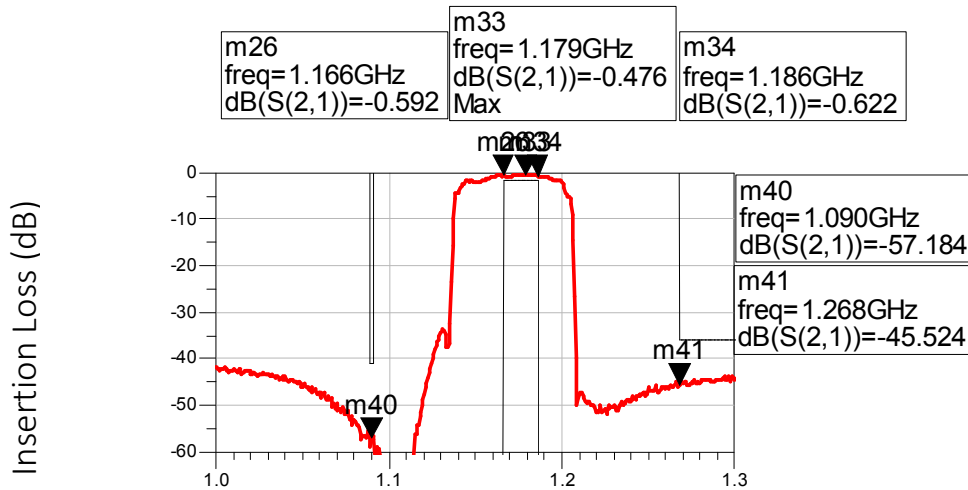
Parameter	Min	Typ	Max	Unit
Insertion Loss(1166 ~ 1186 MHz)	\	1.2	1.4	dB
1dB Passband width	20	\	\	MHz
Ripple(1166 ~ 1186 MHz)	\	0.6	1.0	dB
Return Loss(1166 ~ 1186 MHz)	12	15	\	dB
Absolute Attenuation	\			
1090 MHz	40	45	\	dBc
1268~2500 MHz	35	37	\	dBc

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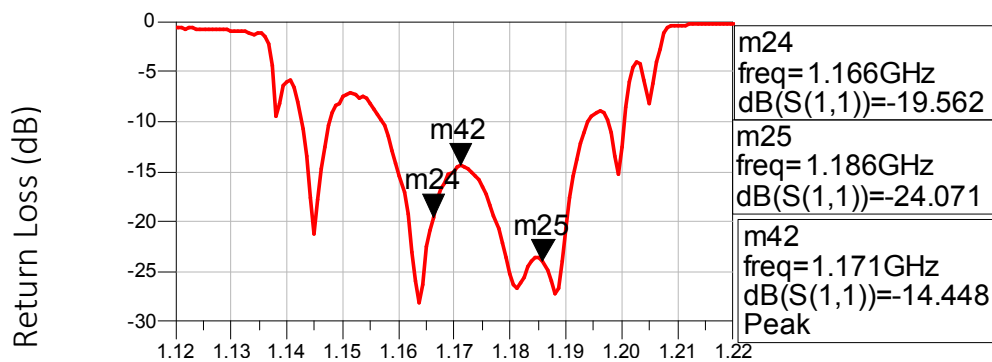
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Typical Performance at Tc=25° C

Pass Band Response (S21)



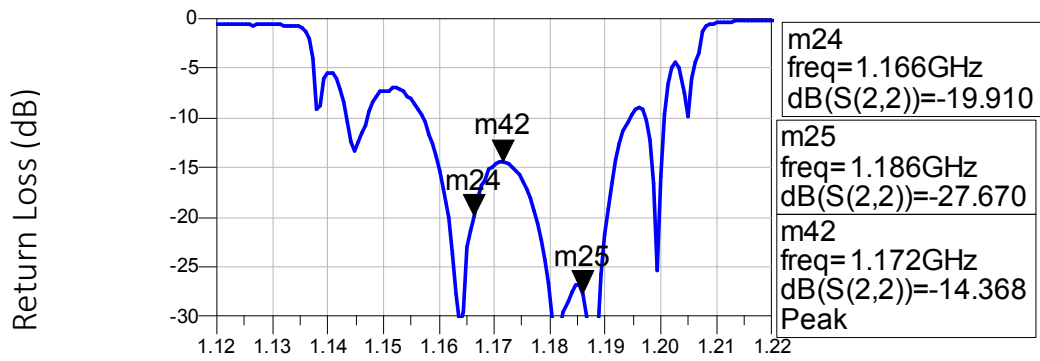
Pass Band Response (S11)



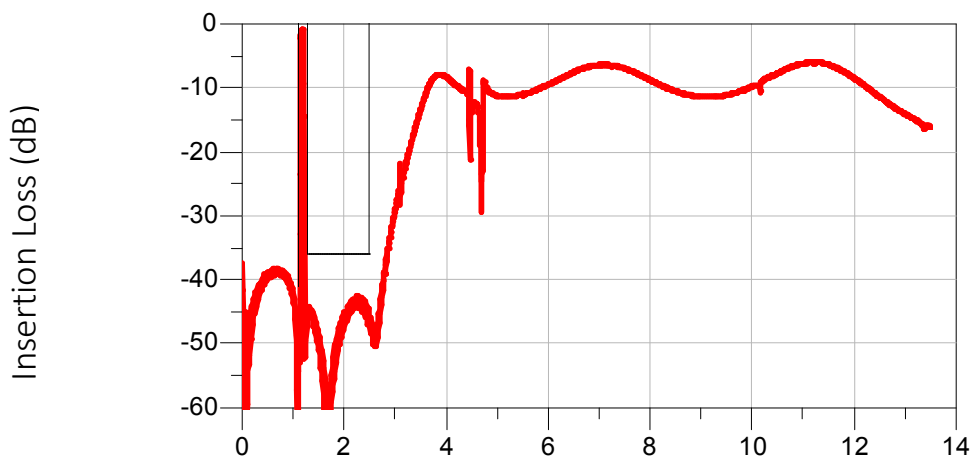
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Pass Band Response (S22)



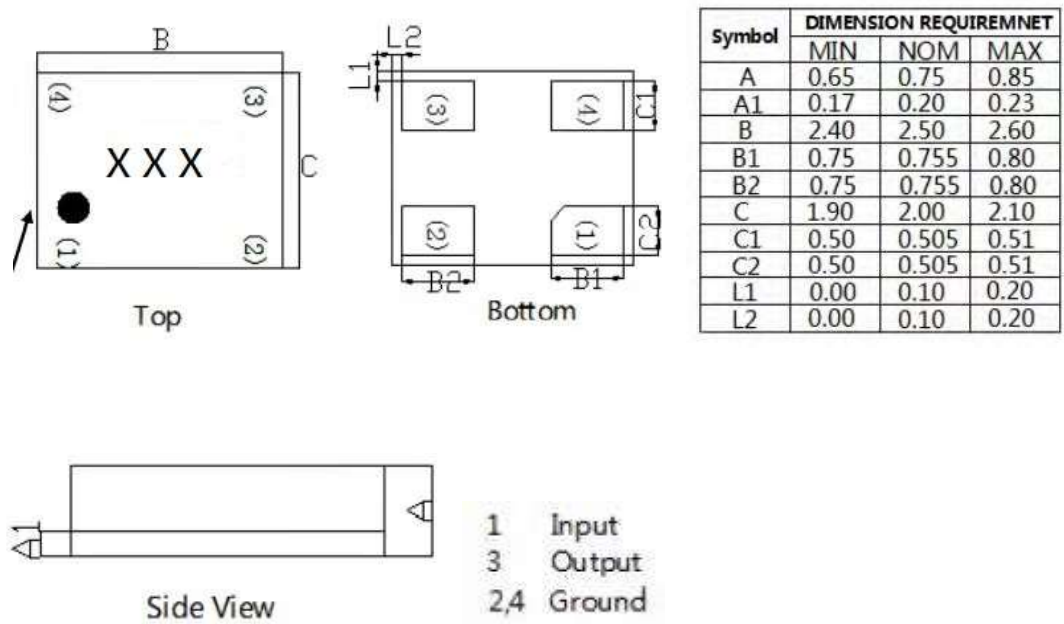
Wide Band Response (S21)



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Package Outline



Recommended IR Reflow Profile

