

# RSFK1268A020B2

FBAR Filter

## Description

RSFK1268A020B2 is a miniature filter designed for BeiDou band equipment. RSFK1268A020B2 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
- ✧ Moisture Sensitivity:MSL3



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## Electrical Specification

Operating Temperature range: -55 to +85°C

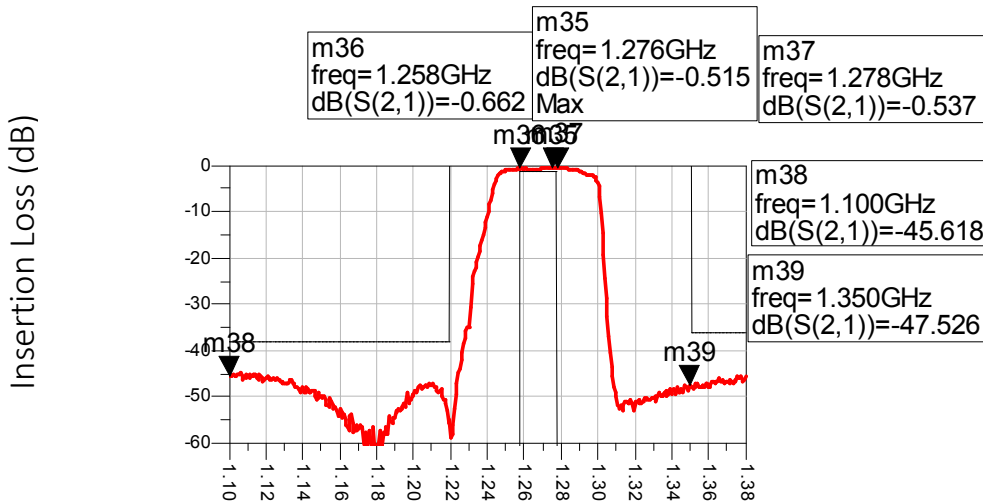
Parameter	Min	Typ	Max	Unit
Insertion Loss(1258 ~ 1278MHz)	\	1.2	1.4	dB
1dB Passband width	20	\	\	MHz
Ripple(1258 ~ 1278 MHz)	\	0.6	1.0	dB
Return Loss(1258 ~ 1278 MHz)	12	15	\	dB
Absolute Attenuation	\			
800~1220 MHz	38	40	\	dBc
1350~2500 MHz	35	38	\	dBc

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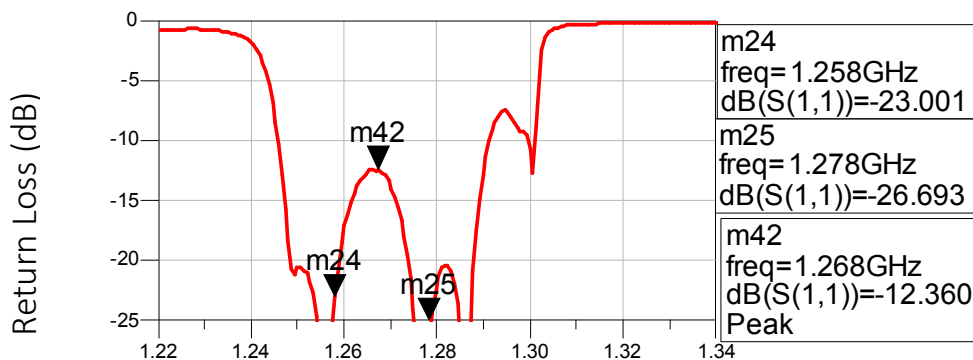
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Typical Performance at Tc=25° C

## Pass Band Response (S21)



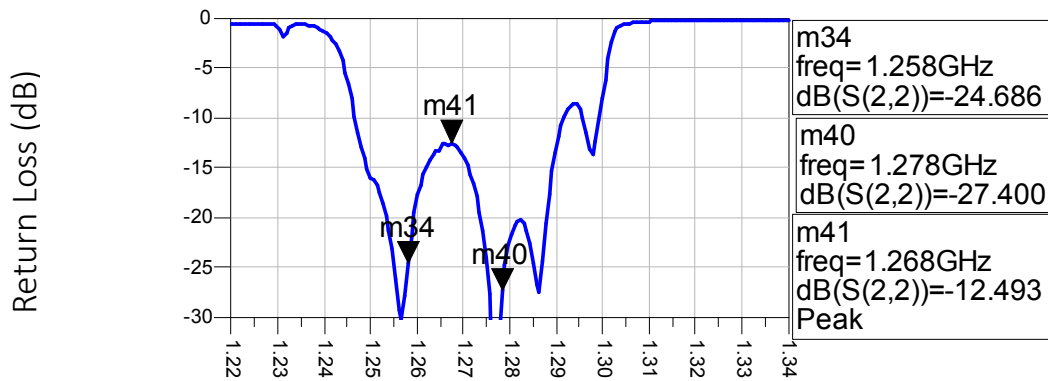
## Pass Band Response (S11)



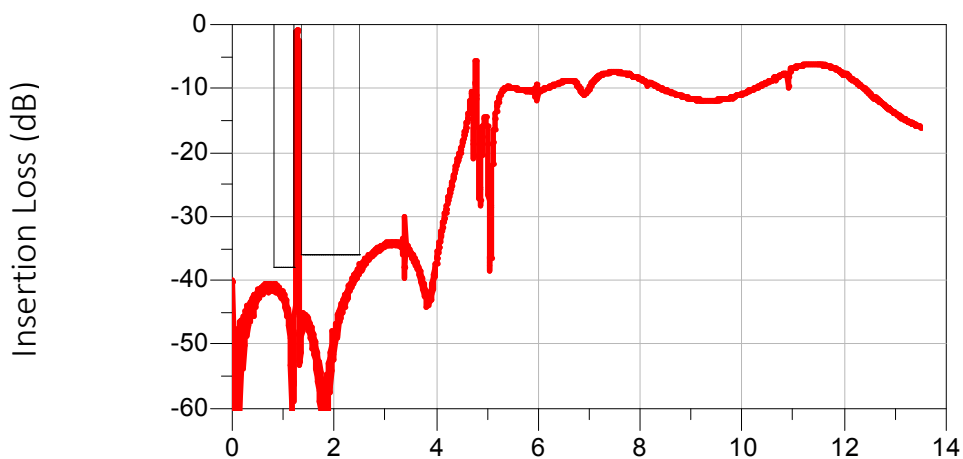
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## Pass Band Response (S22)



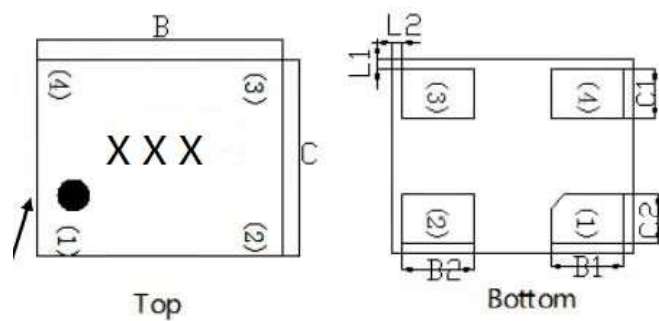
## Wide Band Response (S21)



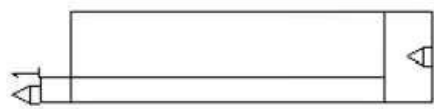
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## Package Outline



Symbol	DIMENSION REQUIREMENT		
	MIN	NOM	MAX
A	0.65	0.75	0.85
A1	0.17	0.20	0.23
B	2.40	2.50	2.60
B1	0.75	0.755	0.80
B2	0.75	0.755	0.80
C	1.90	2.00	2.10
C1	0.50	0.505	0.51
C2	0.50	0.505	0.51
L1	0.00	0.10	0.20
L2	0.00	0.10	0.20



Side View

- 1 Input
- 3 Output
- 2,4 Ground

## Recommended IR Reflow Profile

