

RSFK1268F020C1

1.268 GHz Band Filter

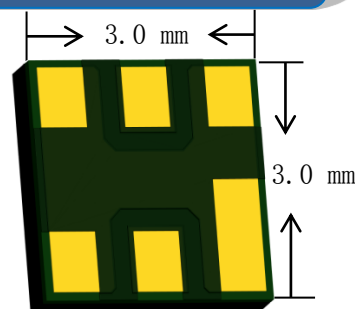


Description

RSFK1268F020C1 is a miniature filter designed for satellite band equipment. RSFK1268F020C1 is designed with advanced temperature-compensated Film Bulk Acoustic Resonator (FBAR) technology.

Features

- ✧ Plastic Chip Scale Package(CSP)
- ✧ Miniature Size
 - 3 mm x 3 mm x 0.75 mm
- ✧ Low Insertion loss
- ✧ Moisture Sensitivity:MSL3



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Electrical Specification

Typical Temperature at Tc=25°C

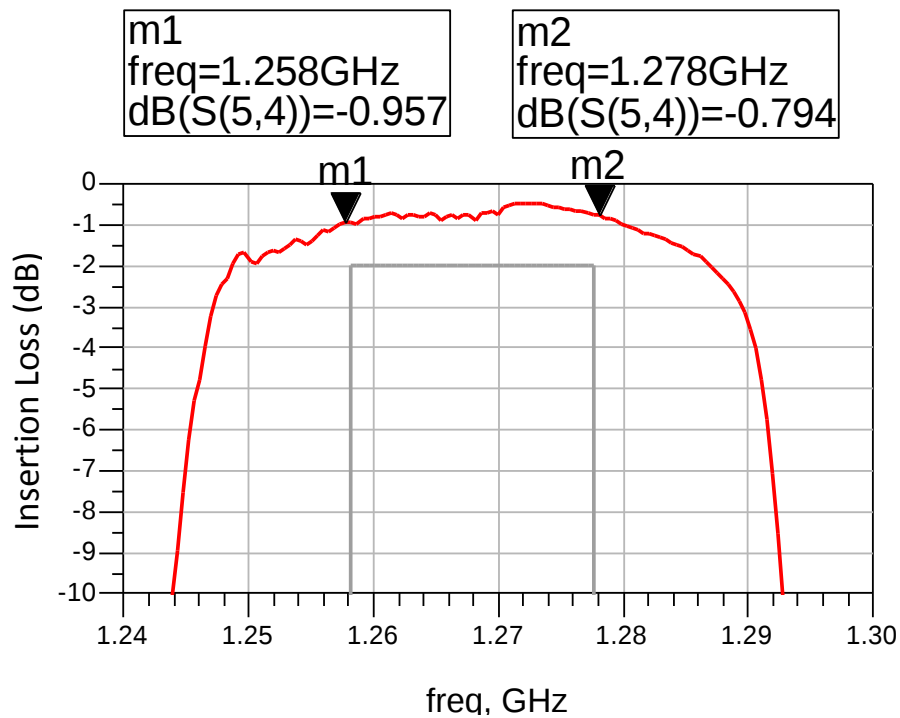
Parameter	Min	Typ	Max	Unit
Center Frequency(Fc)	1268.52			MHz
Insertion Loss (Min)	\	0.6	0.8	dB
Insertion Loss(Fc±10MHz)	\	0.7	1.1	dB
Ripple	\	0.3	0.7	dB
BW(-2dB)	33	37	\	dB
Group delay	\	20	30	ns
Attenuation	\			
DC-1000MHz	28	33	\	dB
1227.52MHz	40	45	\	dB
1309.52MHz	45	50	\	dB
1500-1800MHz	30	35	\	dB
1800-2500MHz	35	40	\	dB
2500-3000MHz	30	35	\	dB
VSWR	\	1.3:1	1.8:1	\
Power handling	\	2	\	W

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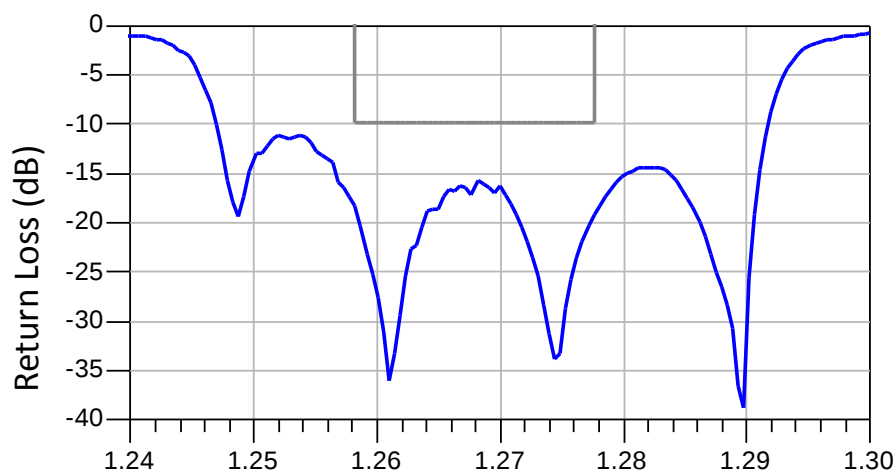
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Typical Performance at $T_c=25^\circ\text{C}$

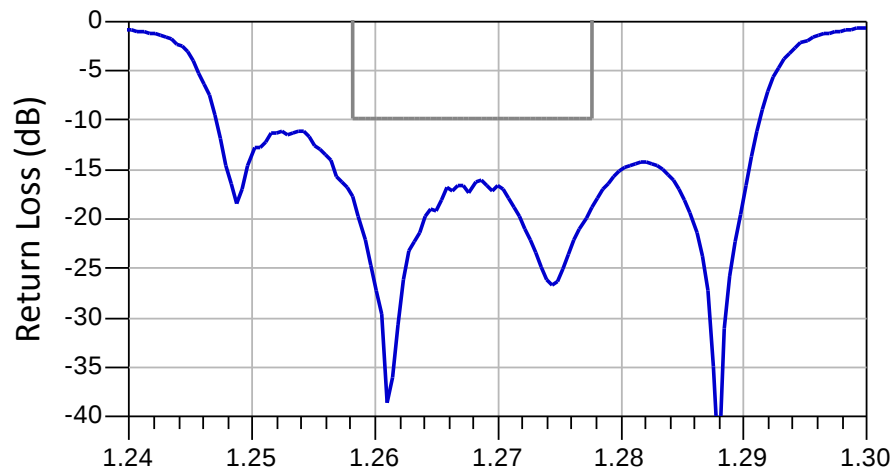
Pass Band Response (S21)



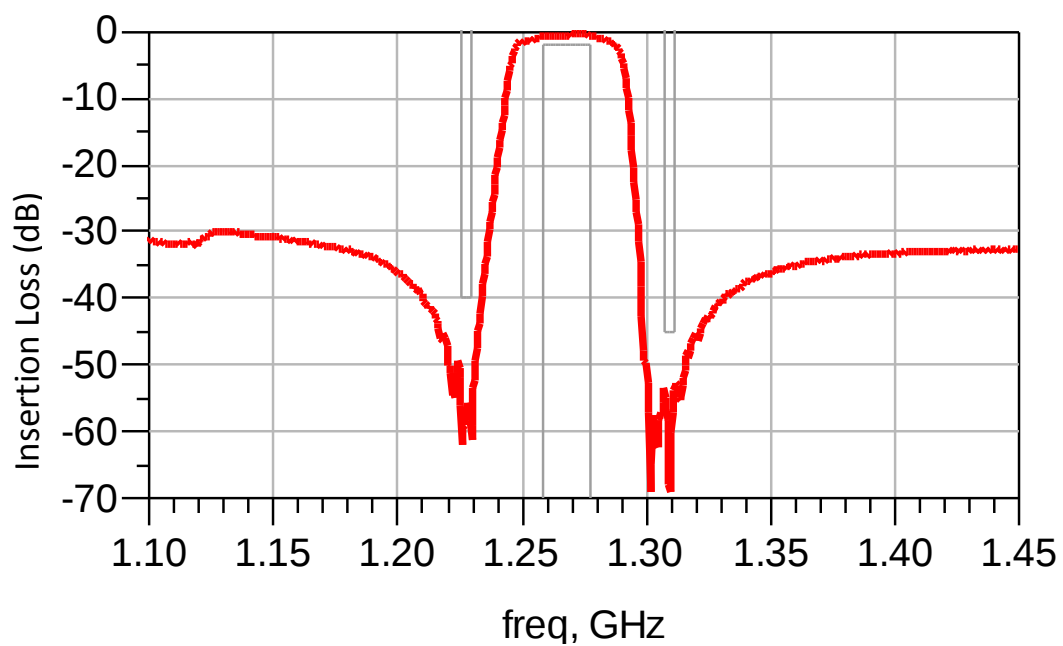
Pass Band Response (S11)



Pass Band Response (S22)



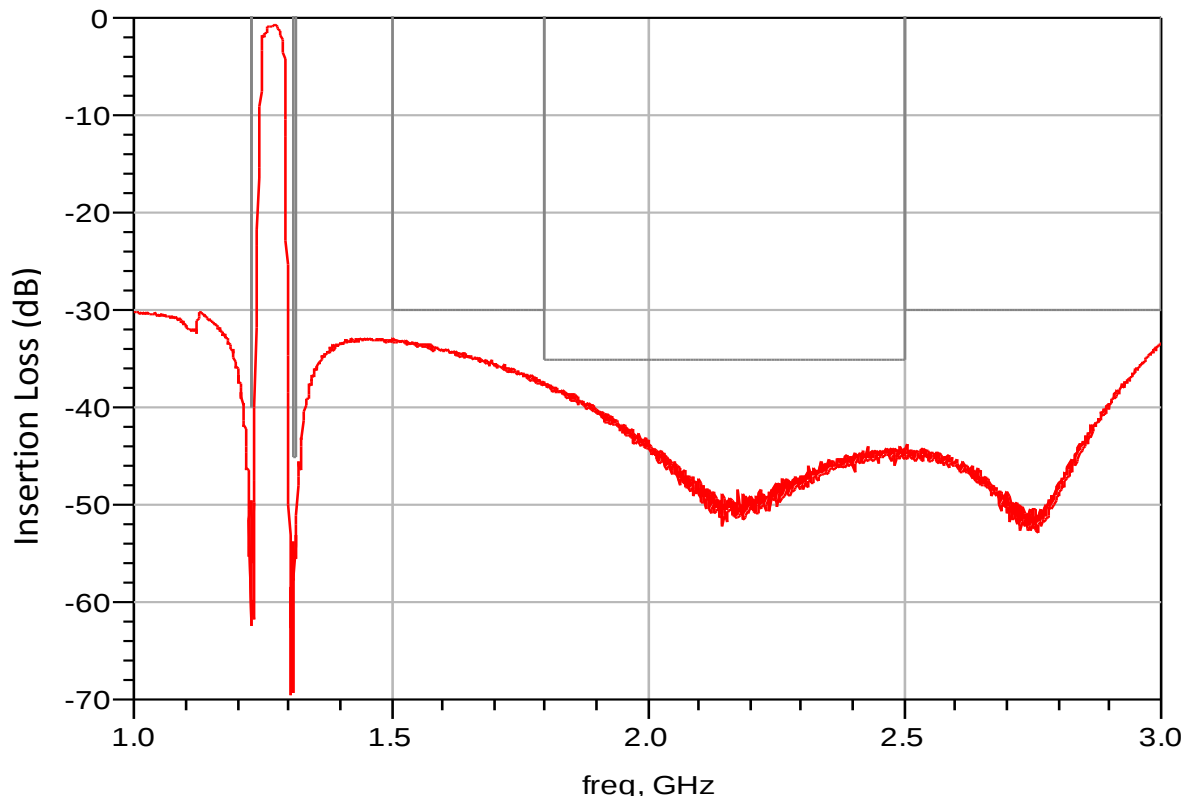
Attenuation Response (S21)



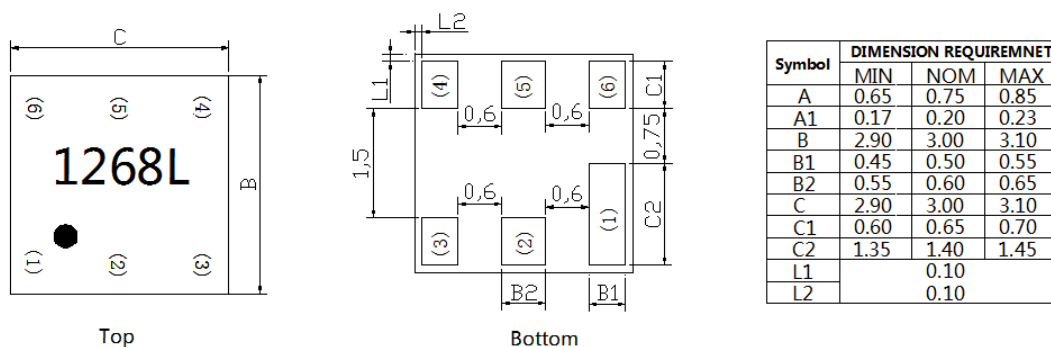
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Attenuation Response (S21)



Package Outline

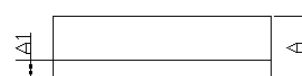


Notes:

- 1: Dimension: mm
- 2: Dimensions nominal unless otherwise noted
- 3: Contact area are gold plated
- 4: Mark is 1268 L

Pin connection:

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



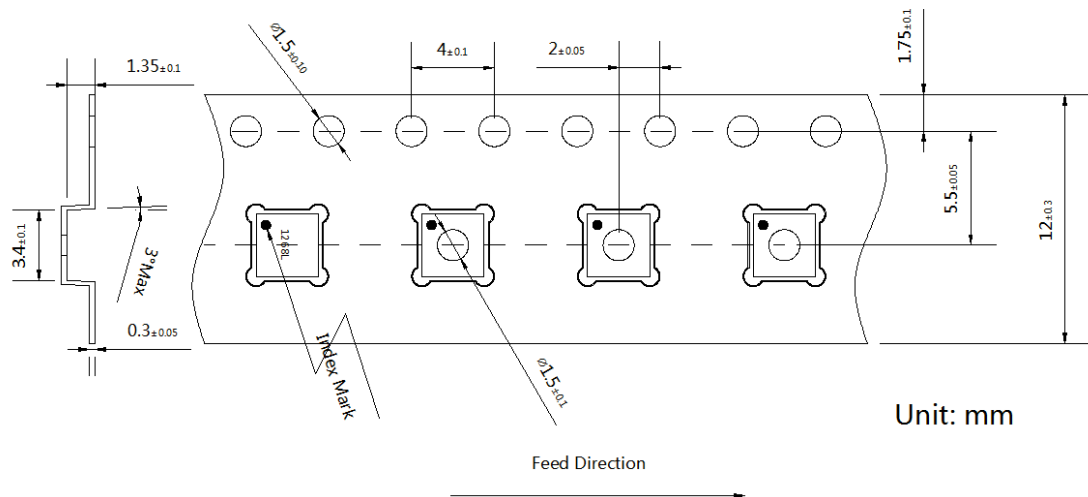
Side View

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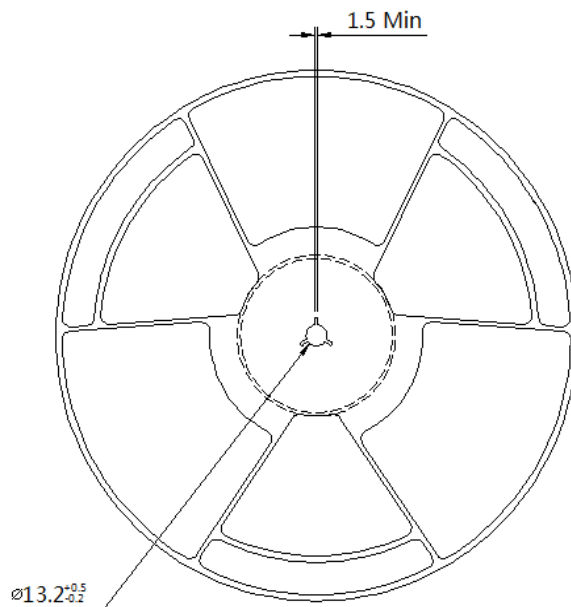
Packing

1. Tape Dimension

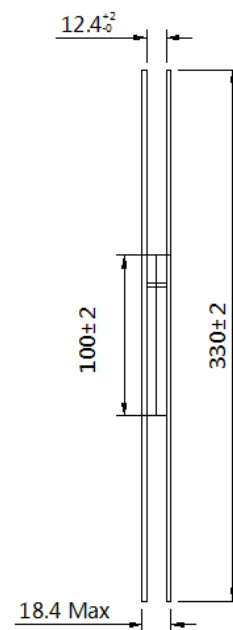


2. Reel Dimension

4000Pcs/Reel



Front View



Side View

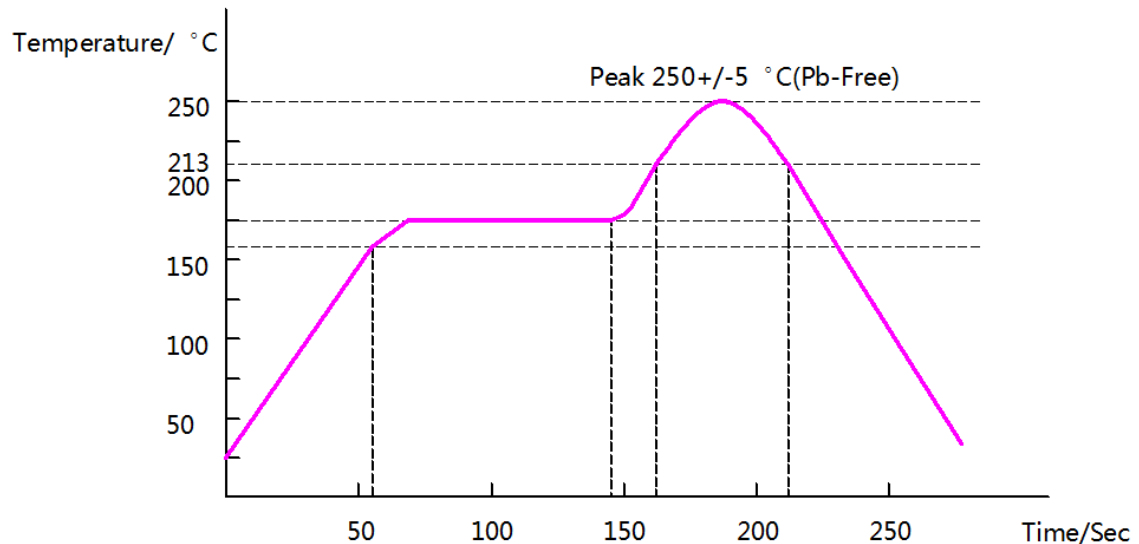
Unit: mm

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Recommended IR Reflow Profile



Order Information

Part Number	Qty Per Reel	Container
RSFK1268F020C1	4000	13 inch Reel

Notes:

The specification may be changed or the product had been discontinued, please check with our sales or product engineer before order.

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