

# RSFK1567F018B1

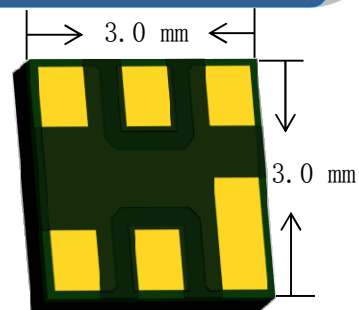
## 1.567 GHz Band Filter

### Description

RSFK1567F018B1 is a miniature filter designed for satellite band equipment. RSFK1567F018B1 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

Operating Typical Temperature Range: -55 to +85°C

Parameter	Min	Typ	Max	Unit
Center Frequency(Fc)	1567			MHz
Insertion Loss(1558~1576MHz)	\	0.5	0.8	dB
Band Width(BW : MHz)	18	\	\	MHz
VSWR(1558~1576 MHz)	\	1.1	1.5	\
Absolute Attenuation	\			
1612-1620MHz	40	48	\	dB

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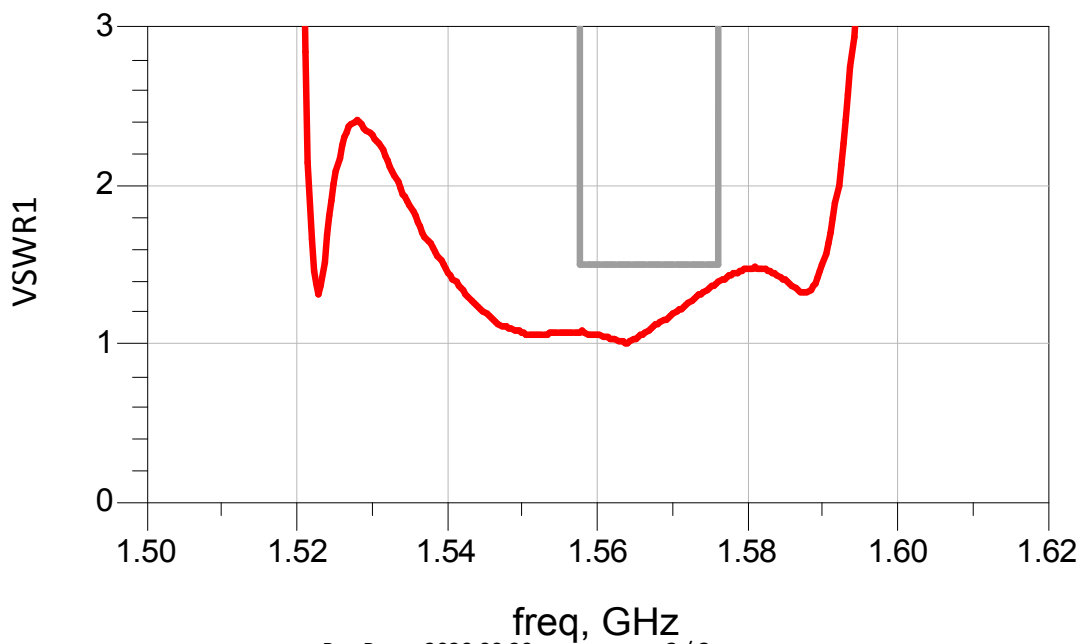
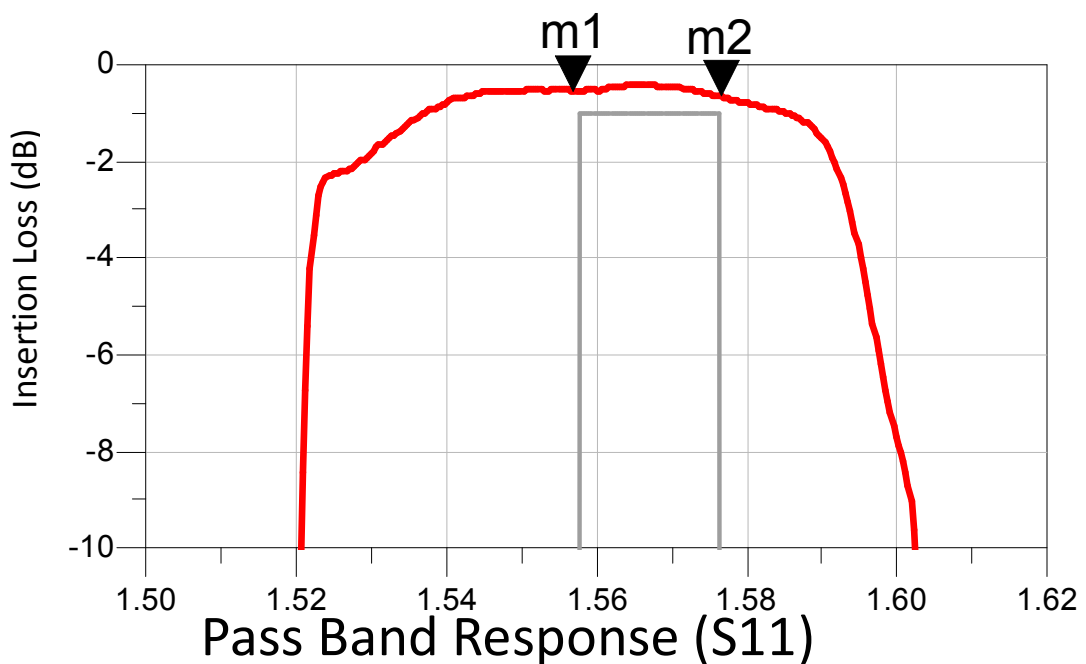
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Typical Performance at Tc=25°C

### Pass Band Response (S21)

m1  
freq=1.5570GHz  
dB(S(1,2))=-0.5479

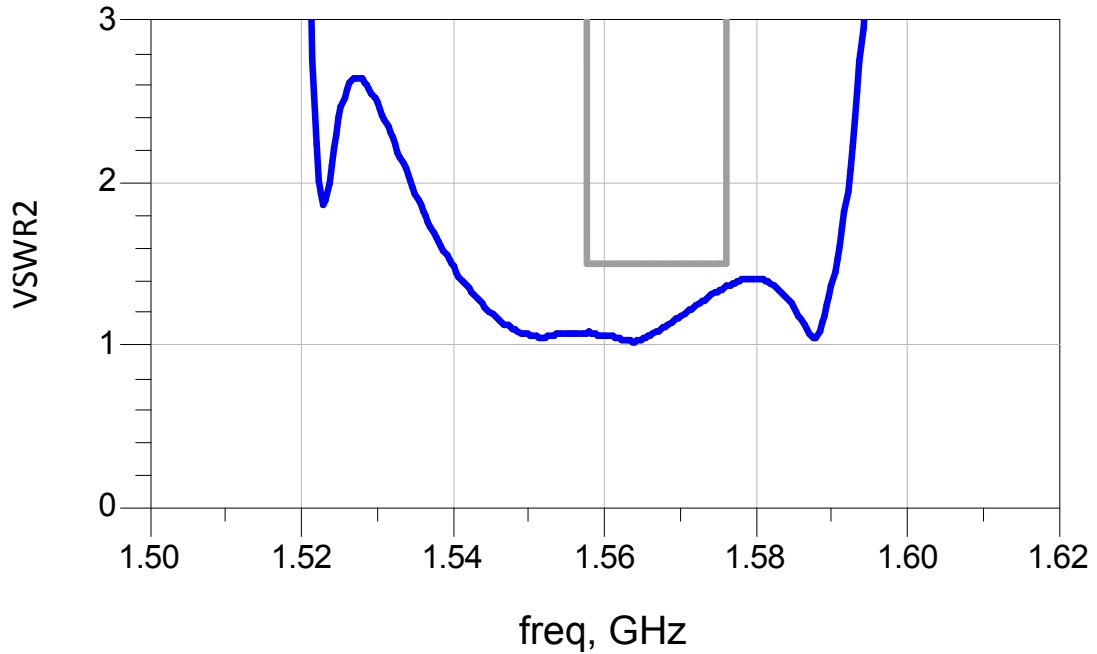
m2  
freq=1.5765GHz  
dB(S(1,2))=-0.6681



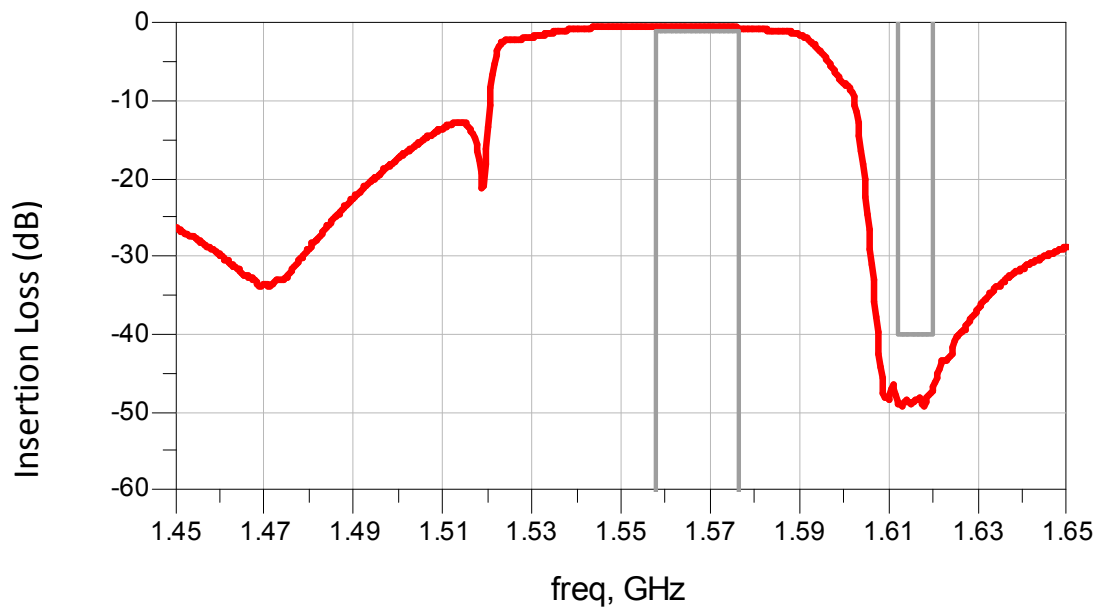
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### Pass Band Response (S22)



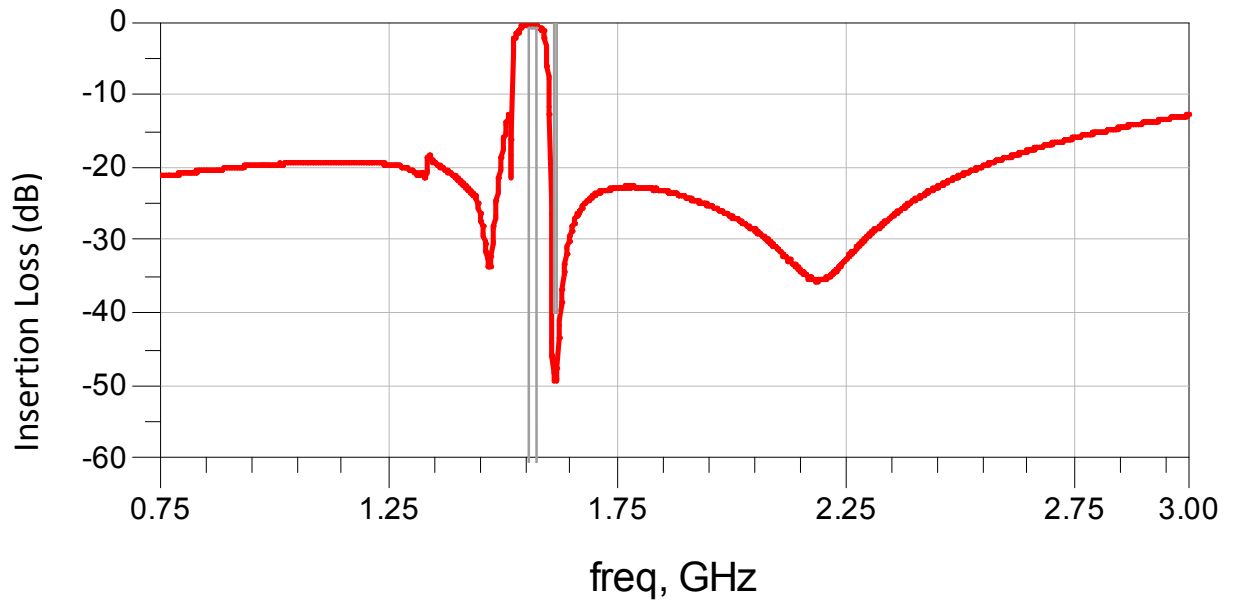
### Attenuation Response (S21)



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## 1.567 GHz Band Filter

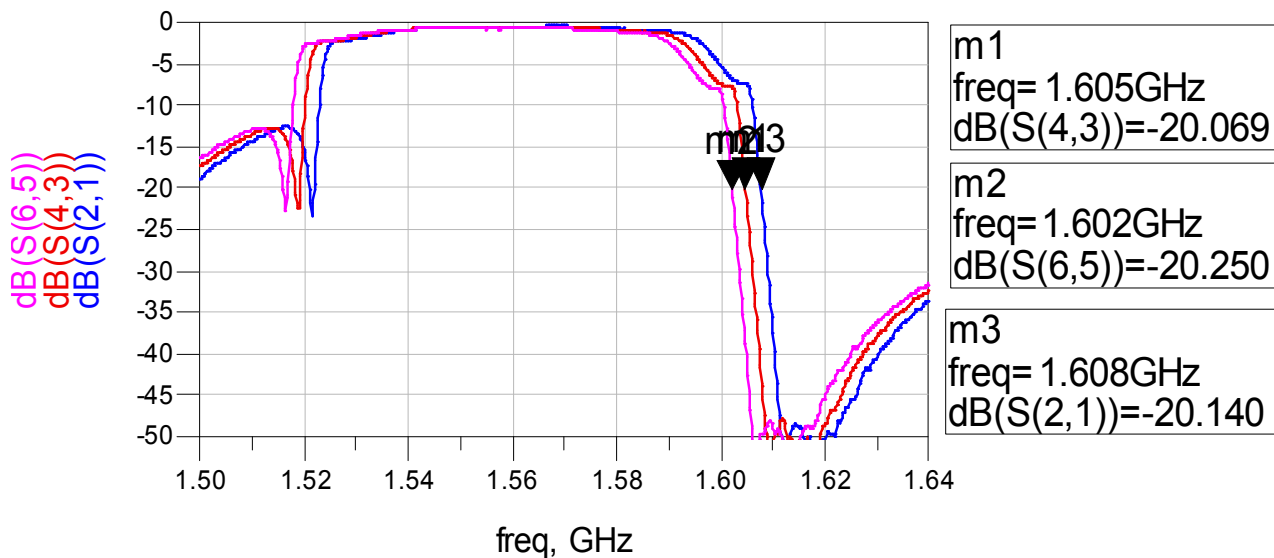
### Attenuation Response (S21)



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### Over-Temperature Response

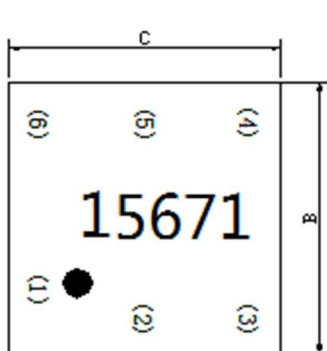


Pink : +85°C Performance

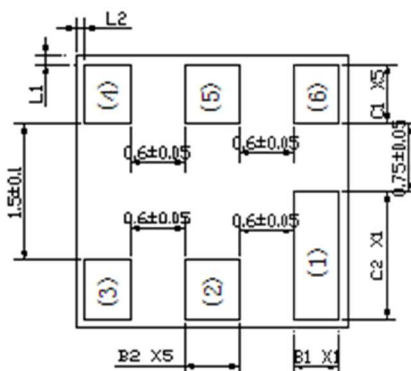
Red : +25°C Performance

Blue : -55°C Performance

### Package Outline



Top

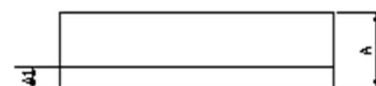


Bottom

### Pin connection:

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

Symbol	DIMENSION REQUIREMENT		
	MIN	NOM	MAX
A	0.65	0.75	0.85
A1	0.17	0.20	0.23
B	2.90	3.00	3.10
B1	0.45	0.50	0.55
B2	0.55	0.60	0.65
C	2.90	3.00	3.10
C1	0.60	0.65	0.70
C2	1.35	1.40	1.45
L1	0.05	0.10	0.15
L2	0.05	0.10	0.15



Side View

### Notes:

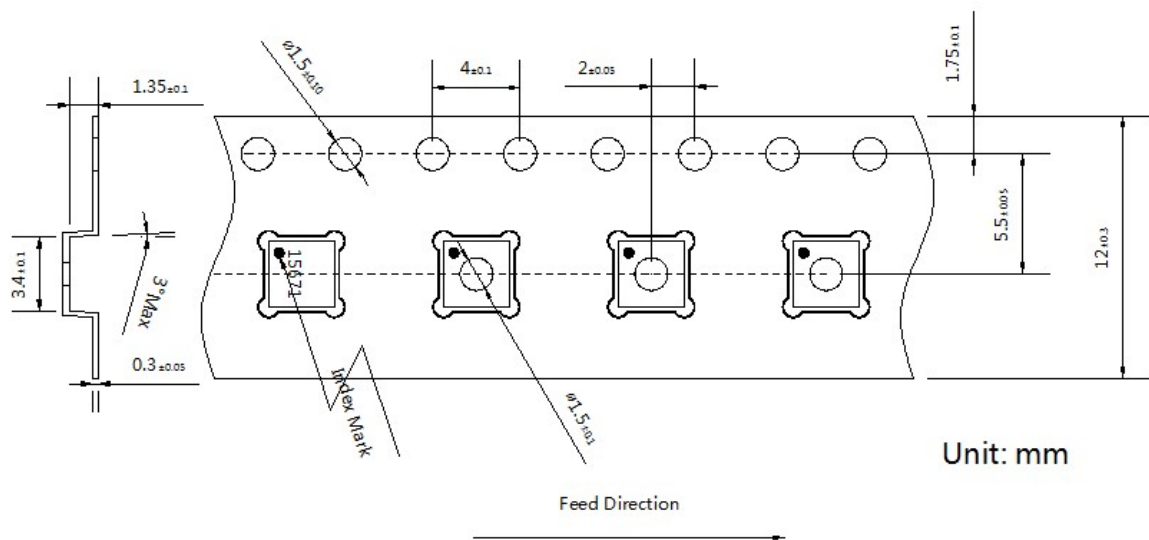
- 1: Dimension: mm
- 2: Dimensions nominal unless otherwise noted
- 3: Contact area are gold plated
- 4: Mark code is 15671

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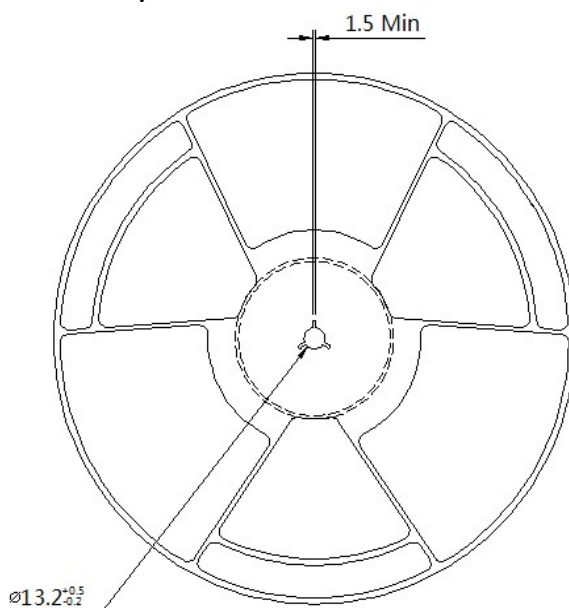
### Packing

#### 1. Tape Dimension

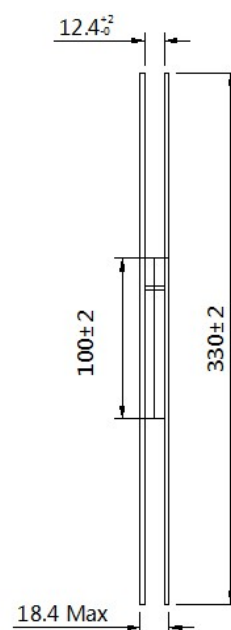


#### 2. Reel Dimension

4000Pcs/Reel



Front View



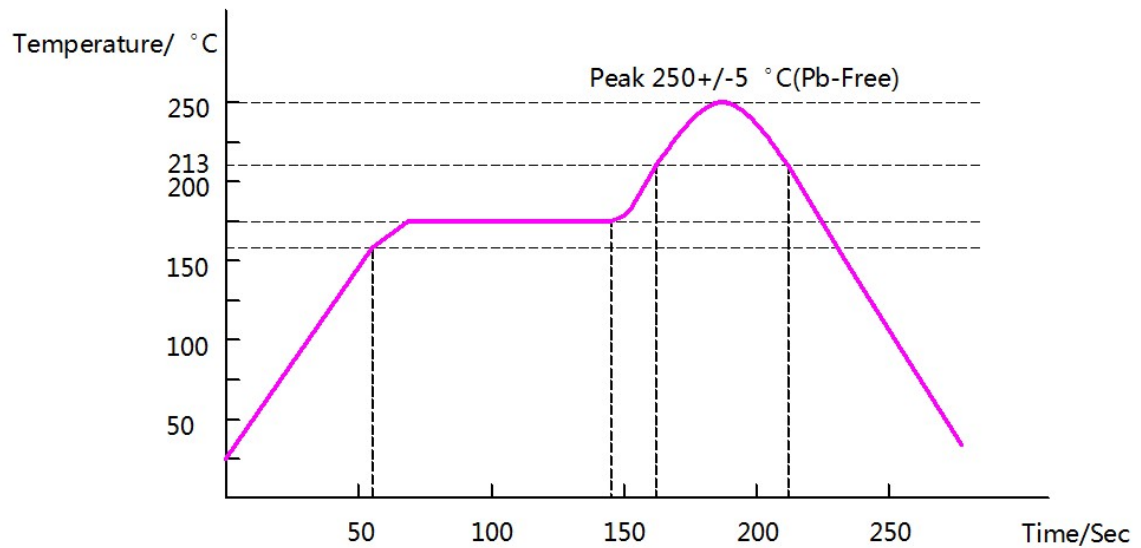
Side View

Unit: mm

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### Recommended IR Reflow Profile



### Order Information

Part Number	Qty Per Reel	Container
RSFK1567F018B1	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.