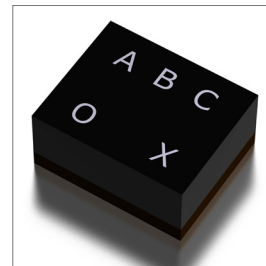


Features

- 1559.10 - 1605.89MHz Frequency Range
- Ultra-Miniature Package
- Single Ended Operation
- Low Amplitude Ripple
- Electrostatic Sensitive Device

Applications

- Compass & GPS & GLONASS Rx



Part Numbering Guide

S FL SR 1BJ 46A 1C - 1575.42



FILTER

SAW RF FILTER

PACKAGE SIZE*
1BJ = 1.1mm x 0.9mm

* Band Width
46A = 46.0MHz

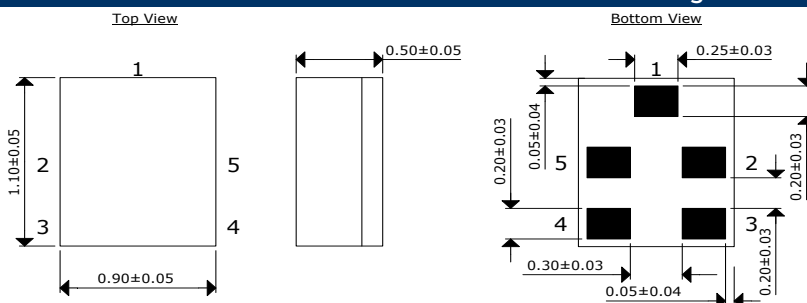
* INSERT LOSS (dB)
1C = 1.2dB

FREQUENCY (MHz)

* Where letters denote decimal location (A=0, B=1, C=2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters (at 25 °C)	Units	Minimum	Typical	Maximum	Remarks
Insertion Loss	dB		1.2	1.5	
1559.10 - 1563.10MHz	dB				
1574.42 - 1576.42MHz	dB		0.9	1.2	
1597.55 - 1605.89MHz	dB		1.3	1.6	
VSWR (In / Out)	-		1.1	1.6	
1559.10 - 1563.10MHz	-				
1574.42 - 1576.42MHz	-		1.2	1.5	
1597.55 - 1605.89MHz	-		1.3	1.7	
Attenuation - DC	dB	37	40		
960.00MHz	dB				
1427.00 - 1463.00MHz	dB	40	44		
1741.00 - 1785.00MHz	dB	35	38		
1850.00 - 1910.00MHz	dB	35	38		
1920.00 - 1980.00MHz	dB	35	38		
2400.00 - 2483.00MHz	dB	42	45		
2500.00 - 2570.00MHz	dB	42	45		
2570.00 - 3000.00MHz	dB	28	43		
4900.00 - 6000.00MHz	dB	23	27		
DC voltage(VDC)	V		5.0		
Operating Temperature	°C	-30		+85	
Storage Temperature	°C	-40		+85	
Maximum Input Power	dBm			15	
Termination Impedance	Source: 50ohm / Load: Unbalanced 50ohm				

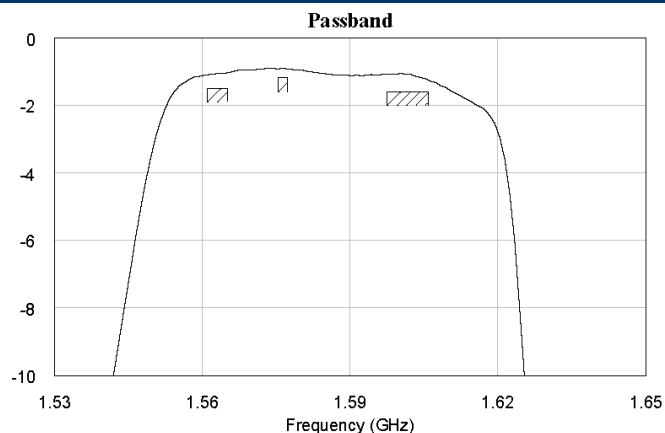
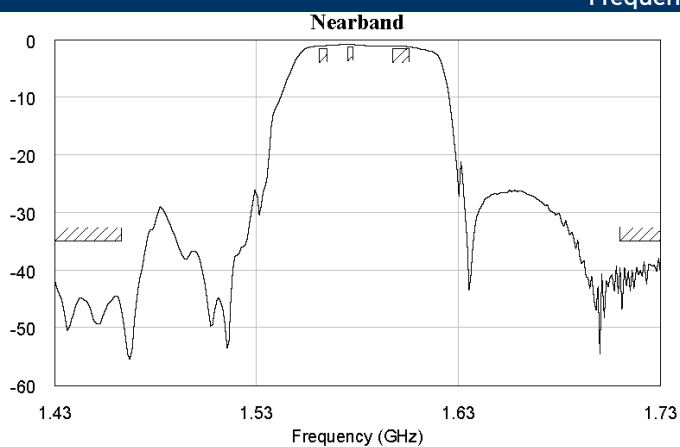
Outline Drawing



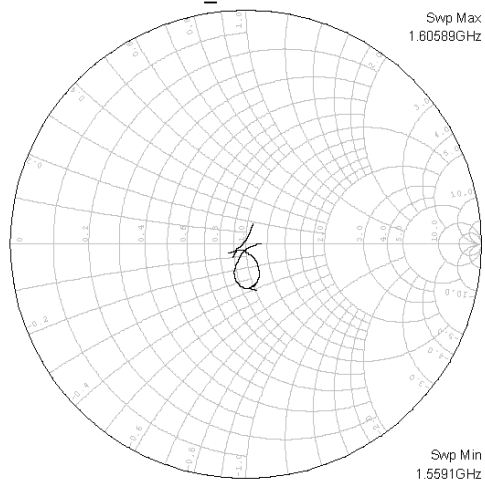
All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.

PIN #	Function
2,3,5	Ground
1	Unbalanced Input
4	Unbalanced Output

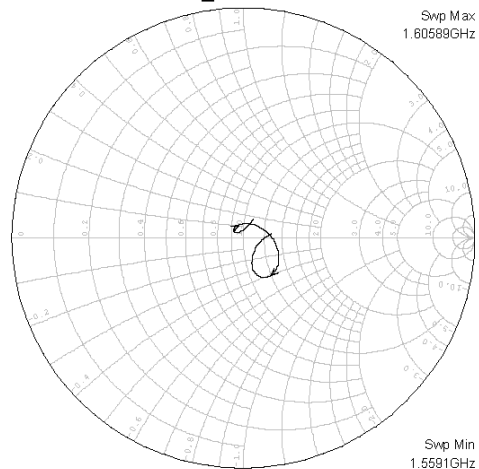
Frequency Characteristics



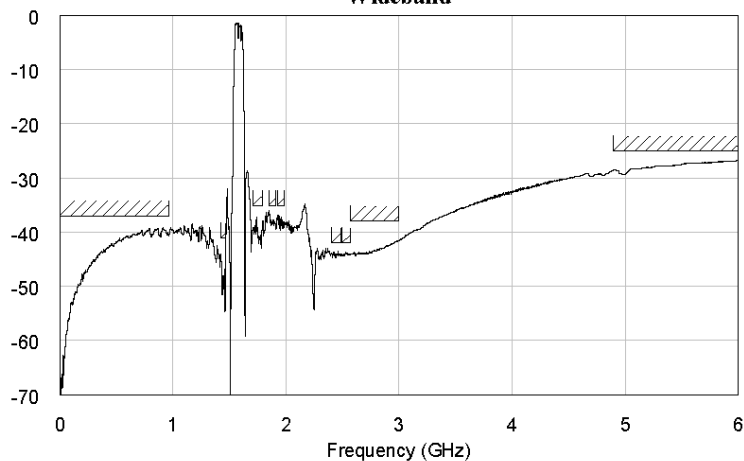
S11_smithchart



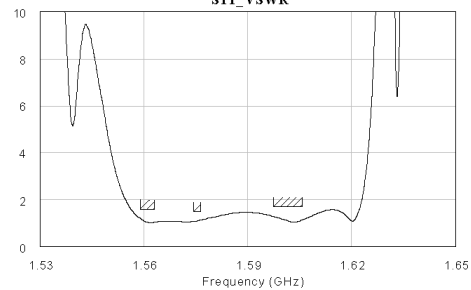
S22_smithchart



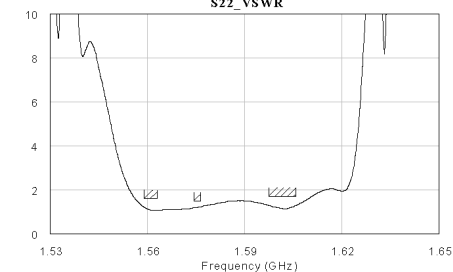
Wideband



S11_VSWR

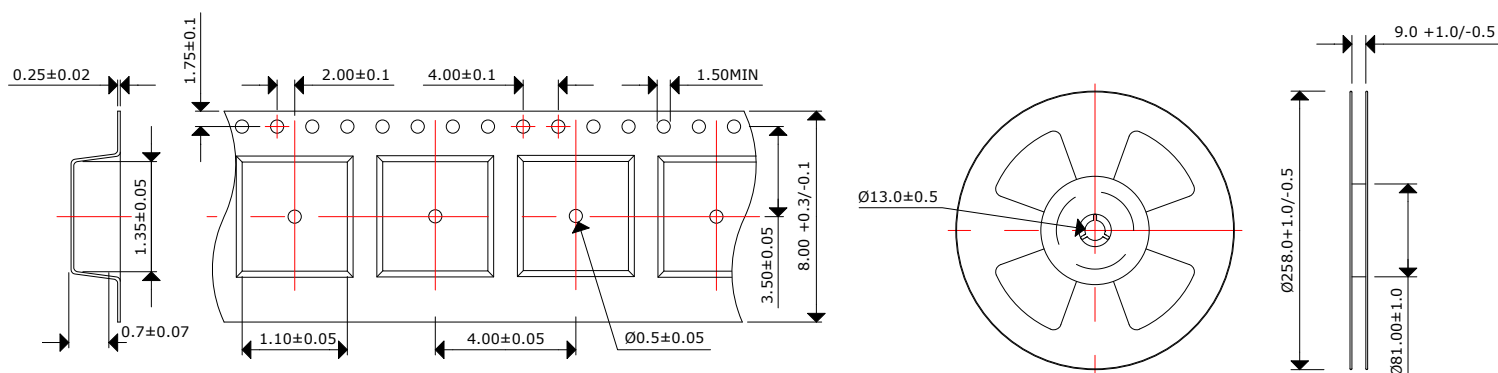


S22_VSWR



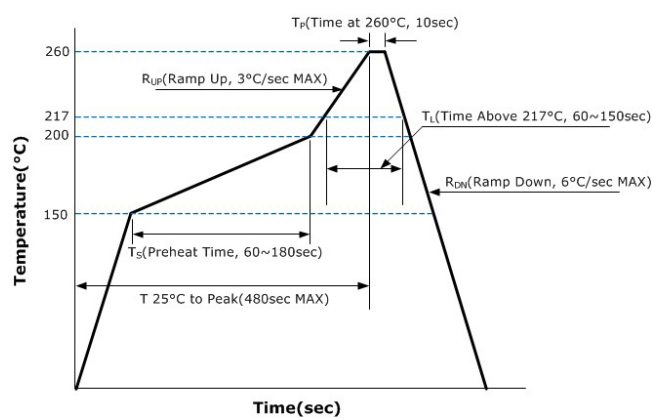
Tape and Reel Dimensions

10,000 pcs/reel



All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.

Reflow Profile



Marking

A	B	C
O		X

- The 1st and 2nd Characters "A B" indicates the Model Of SAW Filter
- The 3rd Character "C" indicates the Year and Month of Manufacture (As per below Table)
- The 4th Character "X" indicates the Lot No.
- This Symbol "O" indicates input Pin 1

	MONTH											
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017	1	2	3	4	5	6	7	8	9	A	B	C
2018	D	E	F	G	H	I	J	K	L	M	N	O
2019	P	Q	R	S	T	U	V	W	X	Y	Z	a
2020	1	2	3	4	5	6	7	8	9	A	B	C

Measurement Circuit

