

SF-1575T1-C26

GPS, RF SAW Filter
Revision 0: March 2013



- ☐ Electrical Characteristics
 - ☐ Package Dimensions
 - ☐ Testing Environment
 - ☐ Frequency Characteristics
-

□ Electrical Characteristics

Maximum Ratings

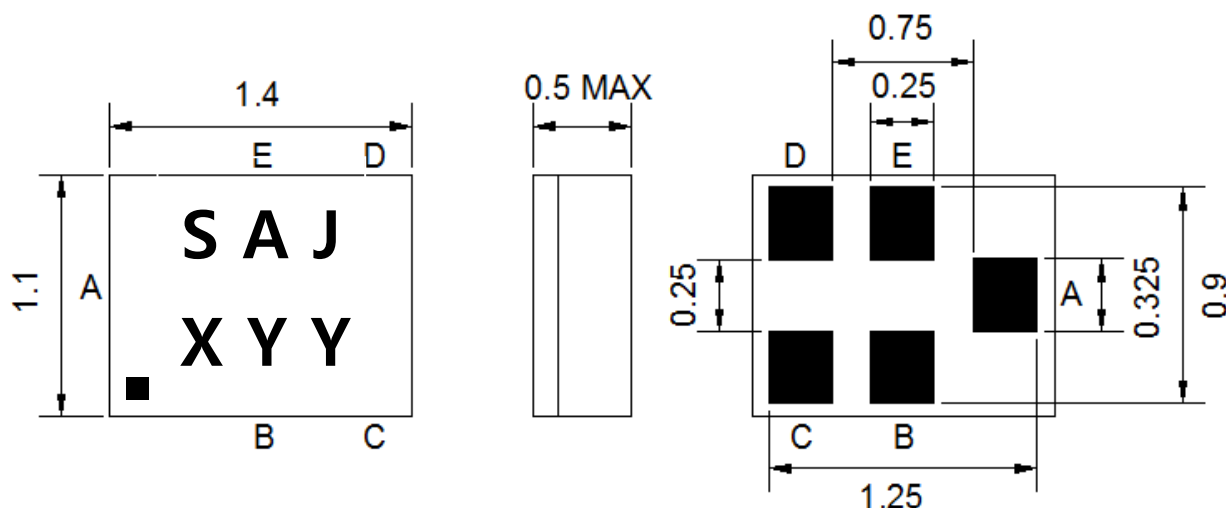
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)	Ω	-	50	-
Load Impedance (Single ended)	Ω	-	50	-
Package type & size	C26			
Length x Width	mm ²	-	1.4 x 1.1	-
Height	mm	-	-	0.5

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42 ~ 1576.42 MHz	dB	-	0.9	1.3
Amplitude Ripple within 1574.42 ~ 1576.42 MHz	dB _{p-p}	-	0.1	0.5
Attenuation:				
DC ~ 1476.0 MHz	dB	40	44	-
1476.0 ~ 1526.0 MHz	dB	37	42	-
1625.0 ~ 1676.0 MHz	dB	41	48	-
1710.0 ~ 1785.0 MHz	dB	48	56	-
1850.0 ~ 1910.0 MHz	dB	44	52	-
1910.0 ~ 1980.0 MHz	dB	43	50	-
1980.0 ~ 2500.0 MHz	dB	35	42	-
2500.0 ~ 3000.0 MHz	dB	30	37	-
3000.0 ~ 6000.0 MHz	dB	10	27	-
VSWR within 1574.42 ~ 1576.42 MHz		-	1.1	1.7

Notes : (1) No Matching Network .

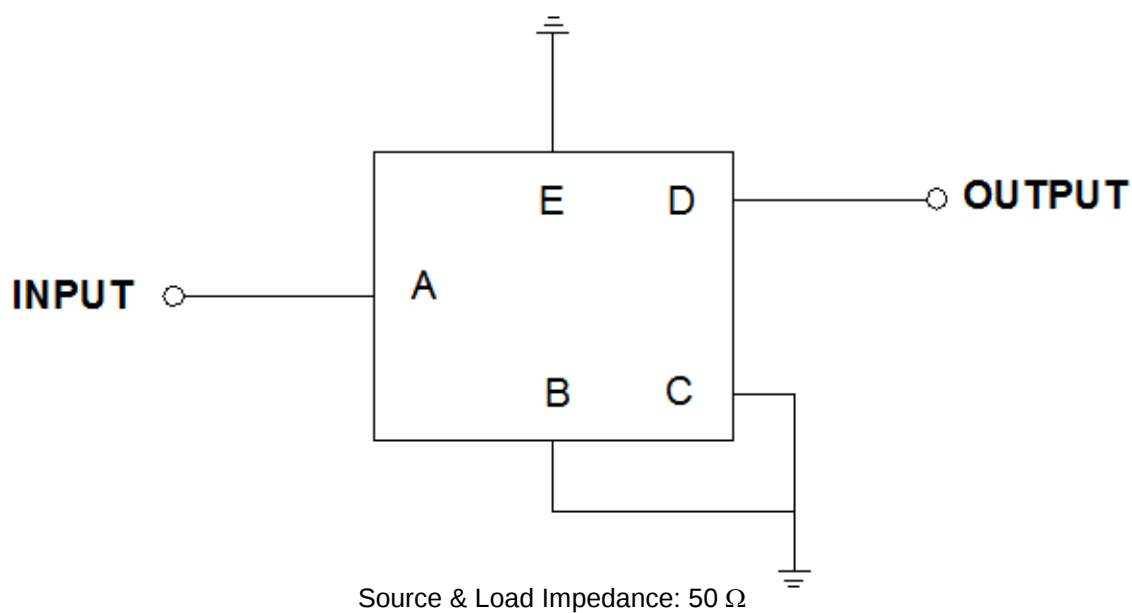
Package Dimensions



Marking Descriptions	
S	SAWNICS
AJ	Series Number
X	Date Code(Year+Month)
YY	Lot No

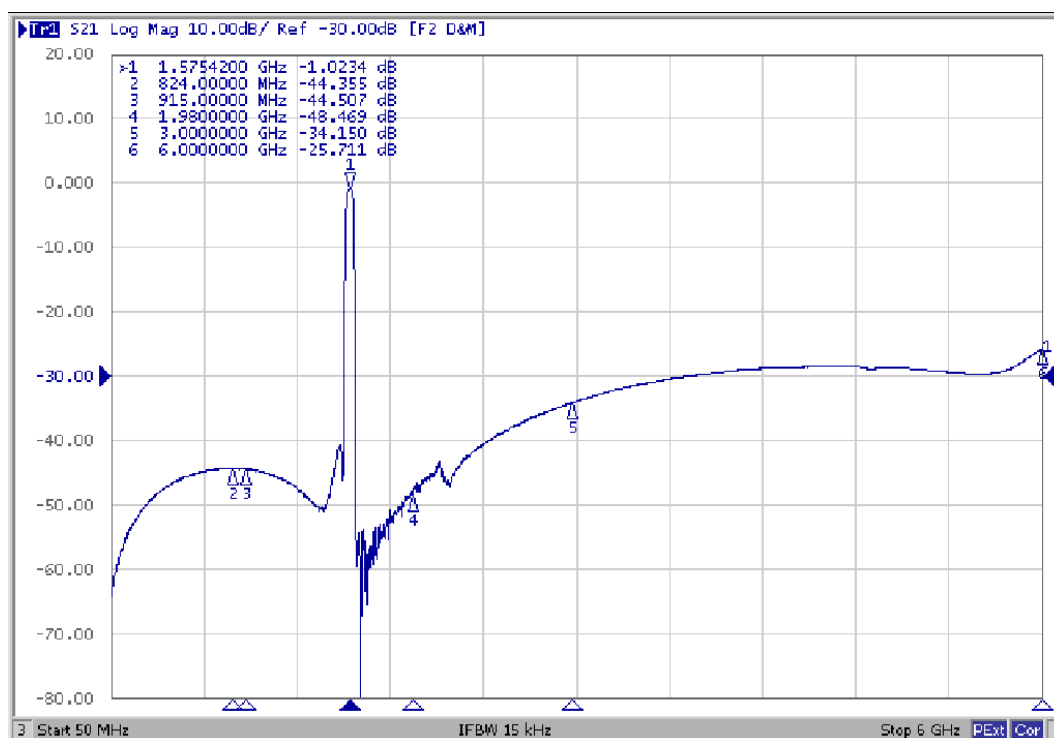
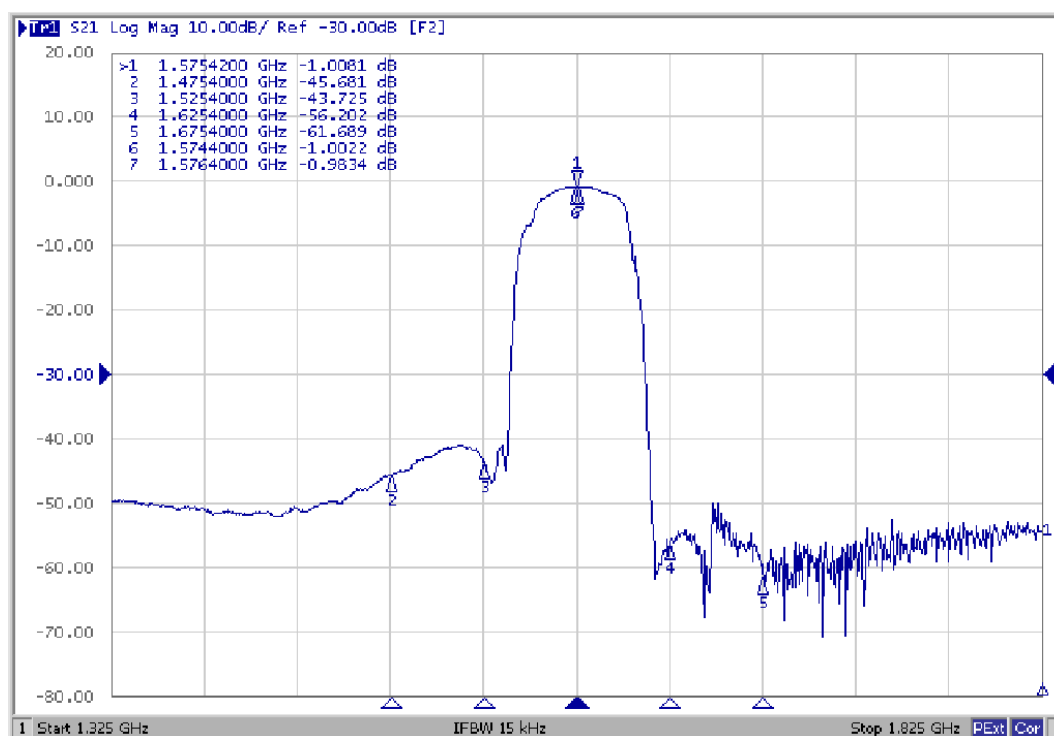
Pin Description	
B, C, E	Ground
A	Input
D	Output

Testing Environment



□ Frequency Characteristics

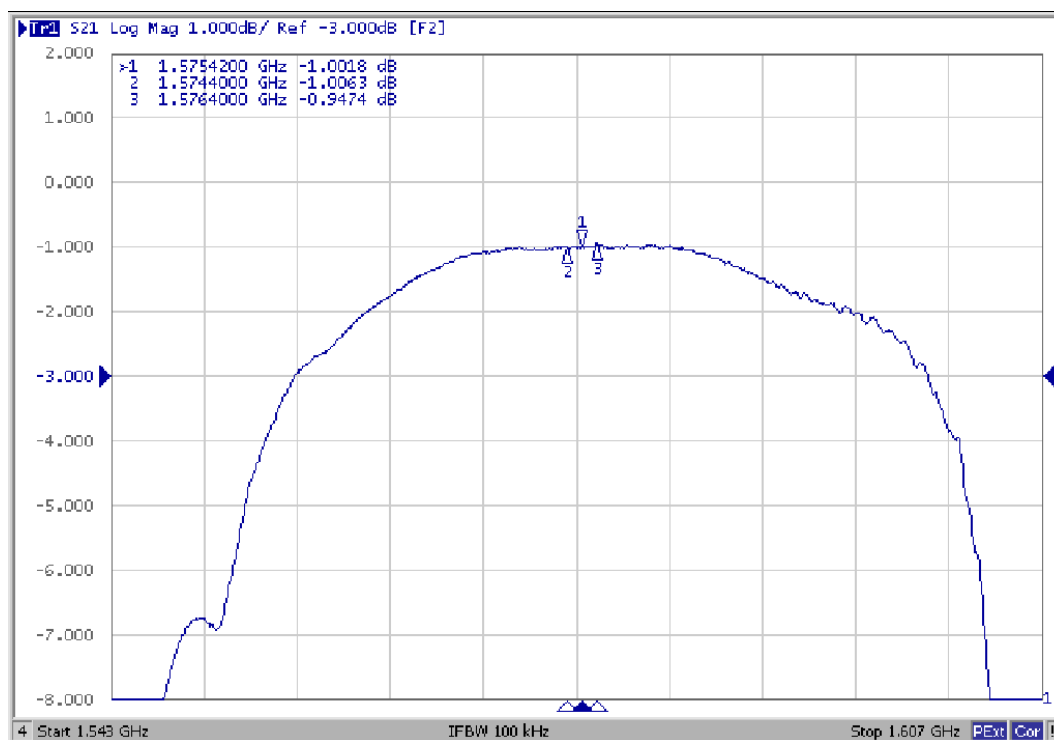
Frequency Response



VSWR



Ripple



Smith Chart

