

- Remote Control, RF SAW Filter
- Revision 0: October 2010

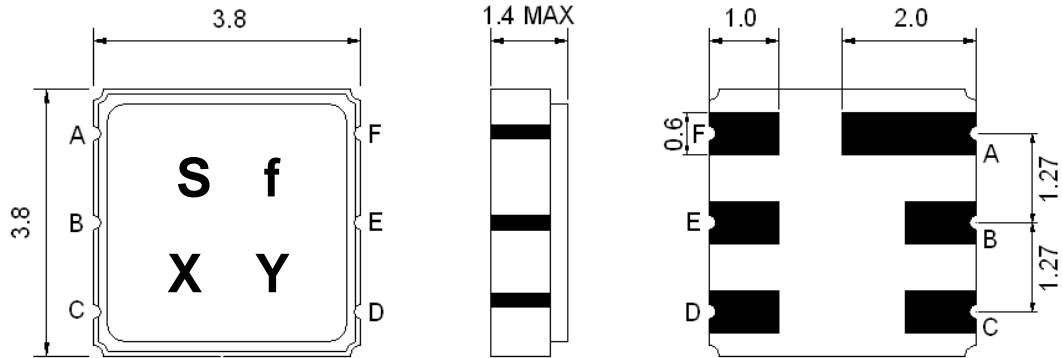
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	12
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	922.0	-
Insertion Loss IL(min)	dB	-	3.6	5.5
Pass bandwidth(relative to IL) BW ₃	KHz	-	2000	-
Attenuation: (Reference Level from 0 dB)				
Fo -21.4 MHz	dB	43	50	-
F0 -10.7 MHz	dB	27	33	-

Notes: (1) With Matching Network

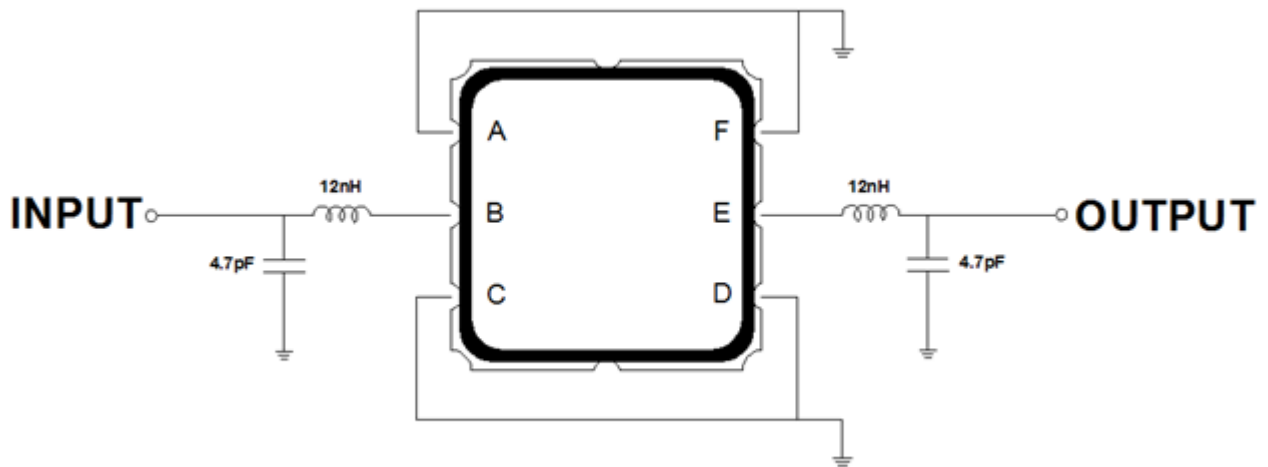
Package Dimensions



Marking Descriptions	
S	TCRF Application
f	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
B	In
E	Out

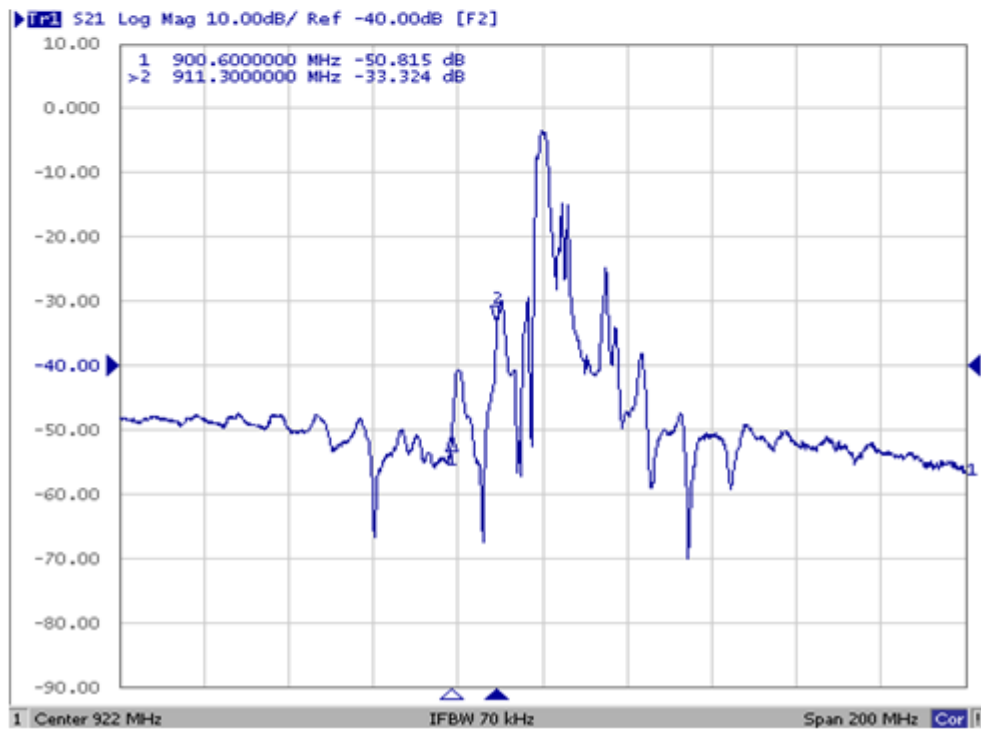
Testing Environment



Source & Load Impedance: 50 Ω

Frequency Characteristics

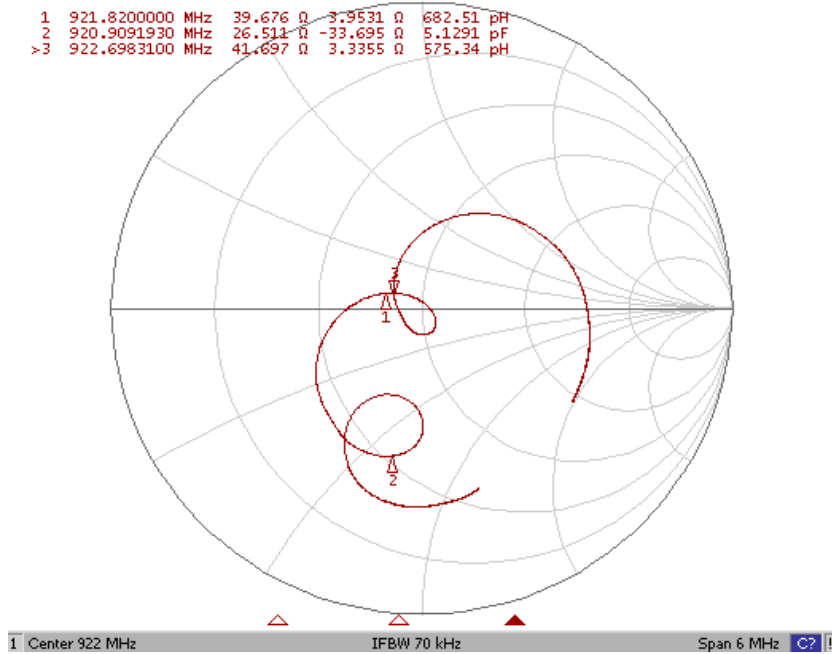
Frequency Response



Smith Chart

▶ **F2** S11 Smith (R+jX) Scale 1.000U [F2]

1	921.8200000 MHz	39.676 Ω	-3.9531 Ω	682.51 pF
2	920.9091930 MHz	26.511 Ω	-33.695 Ω	5.1291 pF
>3	922.6983100 MHz	41.697 Ω	3.3355 Ω	575.34 pF



▶ **F2** S22 Smith (R+jX) Scale 1.000U [F2]

1	921.8312500 MHz	38.230 Ω	-3.2691 Ω	52.813 pF
2	920.9091930 MHz	22.813 Ω	-30.534 Ω	5.6600 pF
>3	922.6983100 MHz	39.696 Ω	521.43 m Ω	89.941 pF

