



Total Solution Provider in Saw Device

SF-039401-S30

Wireless, RF SAW Filter
Revision 0: July 2014



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

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□ Electrical Characteristics

Maximum Ratings

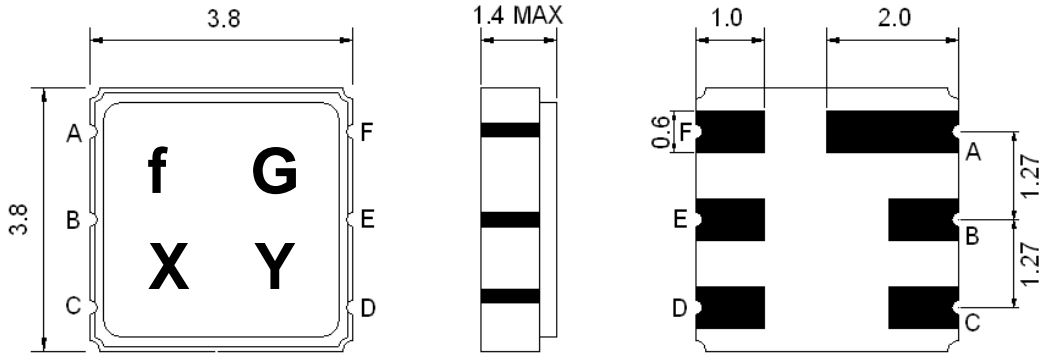
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S30			
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	-	394.0	-
Insertion Loss within 391.5 ~ 396.5 MHz	dB	-	1.9	3.5
Amplitude Ripple within 391.5 ~ 396.5 MHz	dB _{p-p}	-	0.7	2.0
Attenuation:				
0.3 ~ 381.5 MHz	dB	40	45	-
381.5 ~ 386.5 MHz	dB	40	44	-
411.5 ~ 1200.0 MHz	dB	30	39	-
1200.0 ~ 2000.0 MHz	dB	28	33	-
VSWR within 391.5 ~ 396.5 MHz	-	-	1.5	2.0

Notes : (1) No Matching Network .

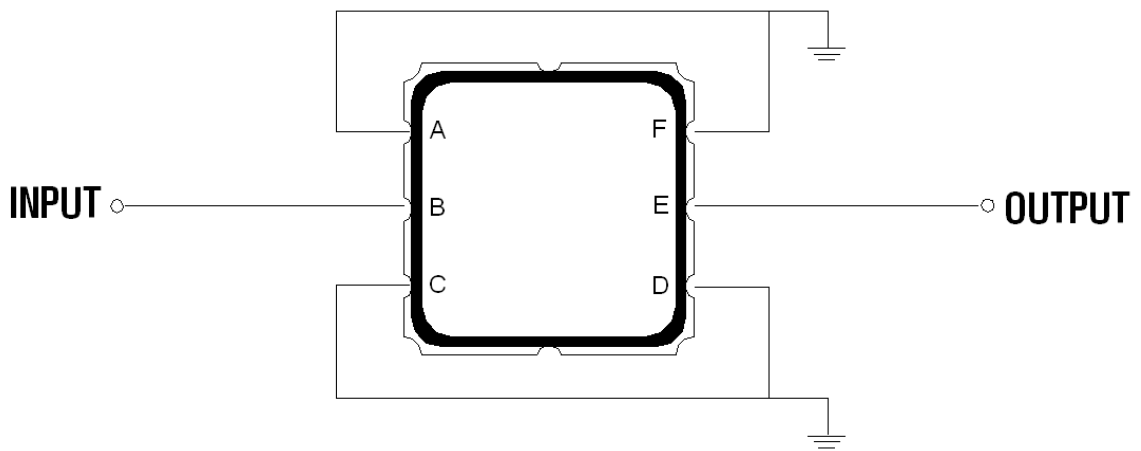
Package Dimensions



Marking Descriptions	
f	Wireless Application
G	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

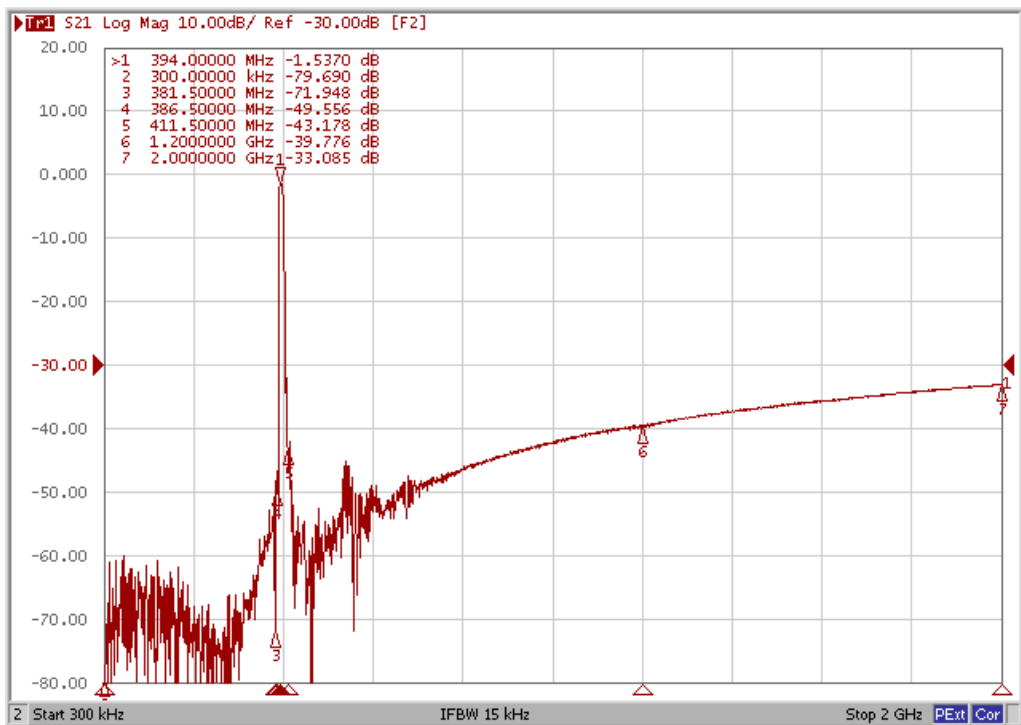
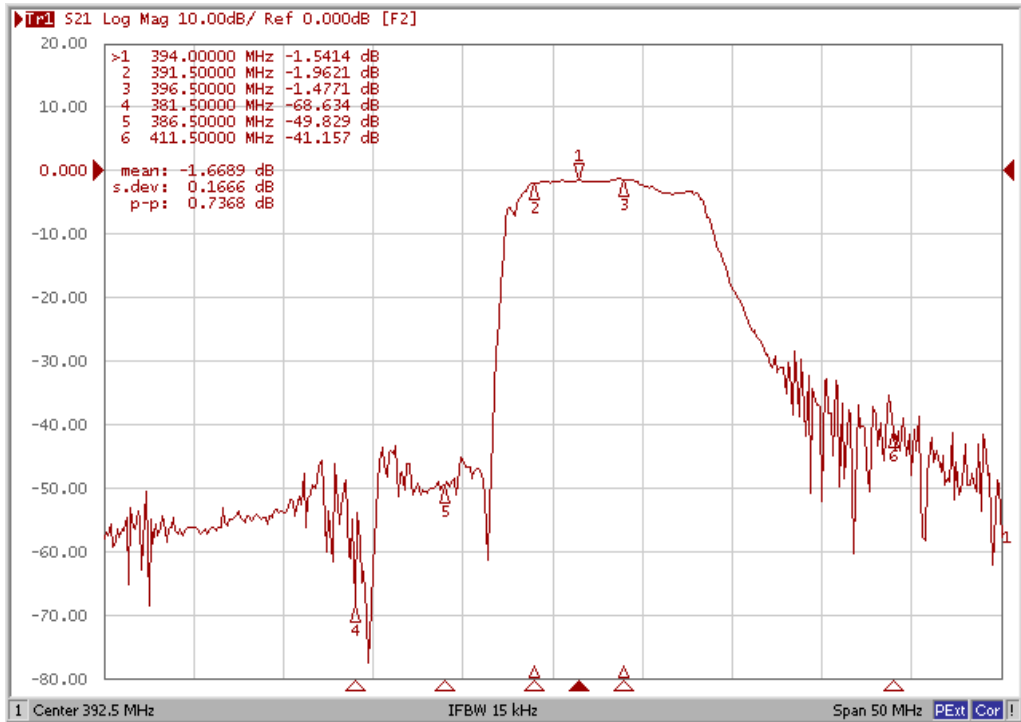
Testing Environment



Source & Load Impedance: 50 Ω

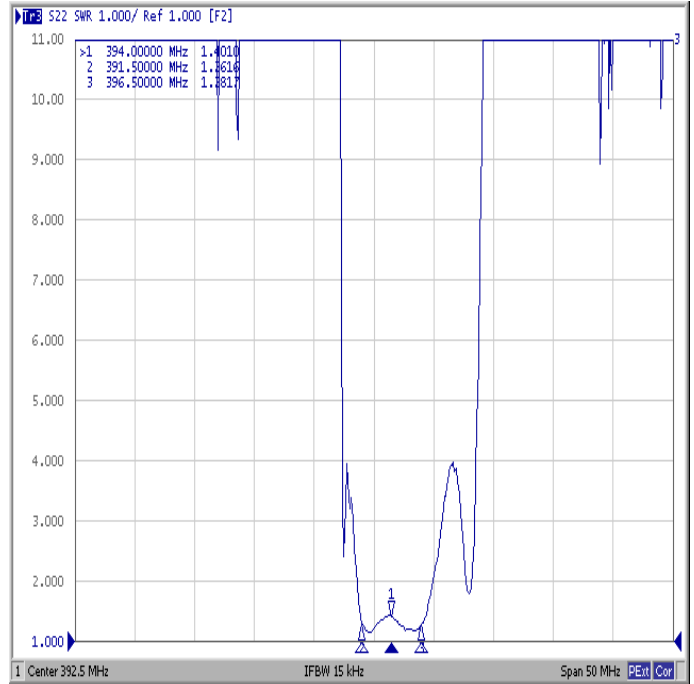
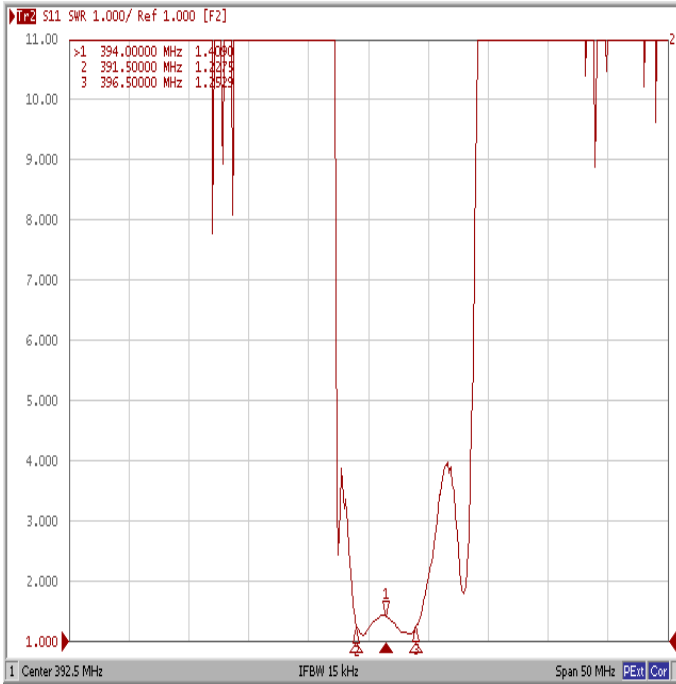
□ Frequency Characteristics

Frequency Response





VSWR



Smith Chart

