



Total Solution Provider in Saw Device

SF-069601-S30

Wireless, RF SAW Filter
Revision 0: November 2012



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

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□ Electrical Characteristics

Maximum Ratings

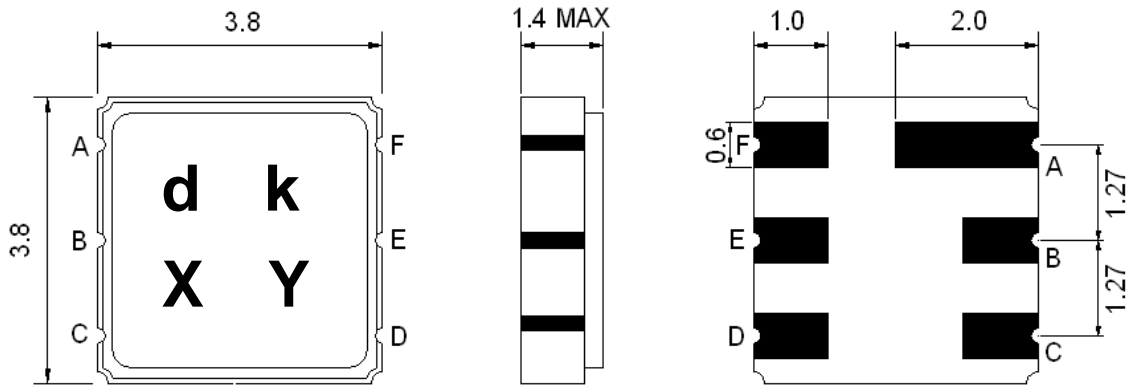
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S30			
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	-	696.0	-
Insertion Loss within 694.0 ~ 698.0 MHz	dB	-	2.0	3.0
Amplitude Ripple within 694.0 ~ 698.0 MHz	dB _{p-p}	-	0.3	1.0
Absolute Group Delay at Fo	ns	-	99	-
Group Delay Ripple within 694.0 ~ 698.0 MHz	ns _{p-p}	-	17	50
Attenuation:				
0.3 ~ 672.0 MHz	dB	40	44	-
715.0 ~ 1100.0 MHz	dB	40	50	-
1100.0 ~ 1500.0 MHz	dB	35	47	-
1500.0 ~ 2500.0 MHz	dB	25	28	-
VSWR within 694.0 ~ 698.0 MHz	-	-	1.4	2.0

Notes : (1) No Matching Network .

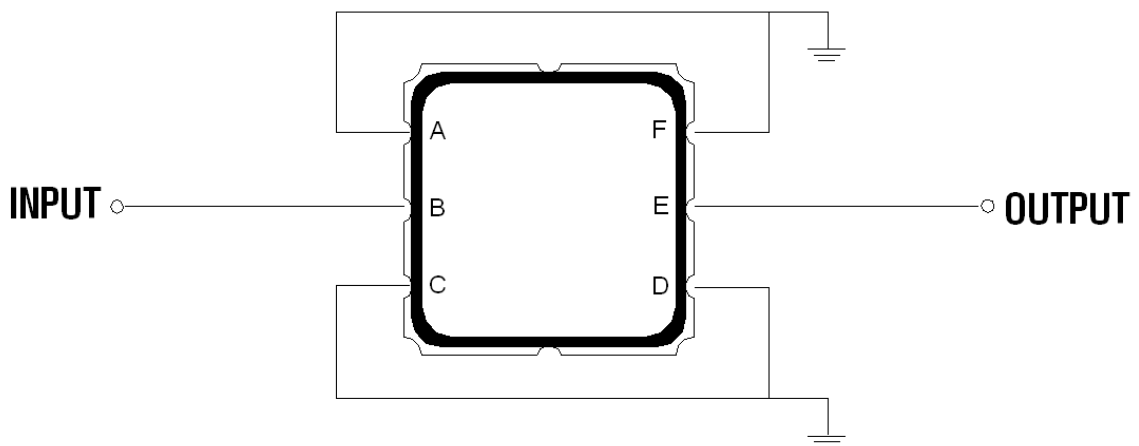
Package Dimensions



Marking Descriptions	
d	Wireless Application
k	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

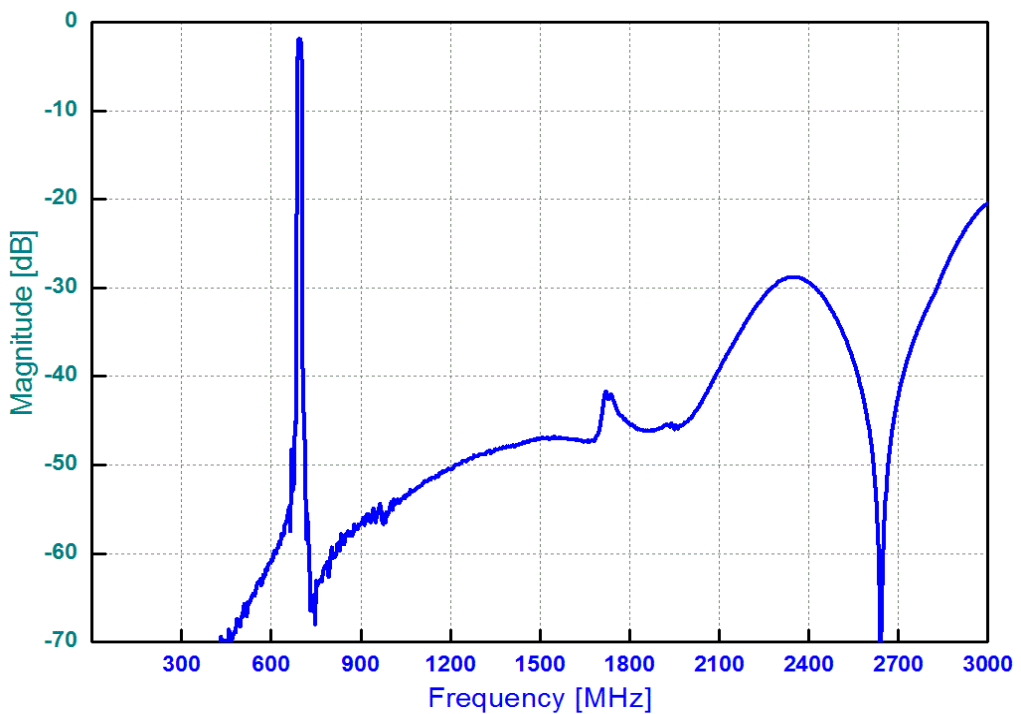
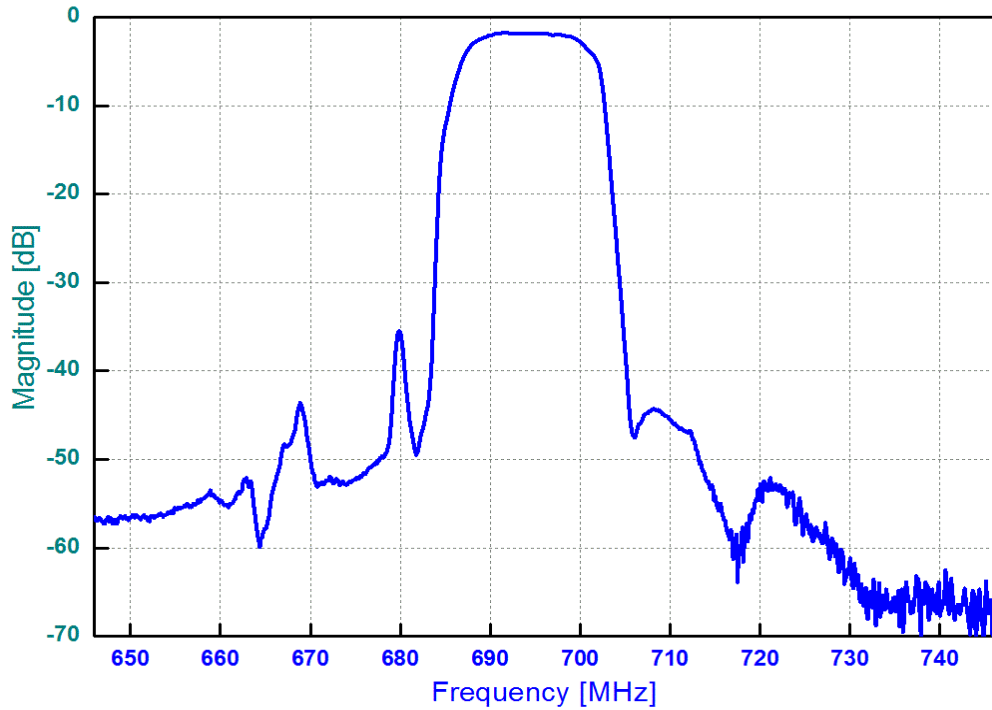
Testing Environment



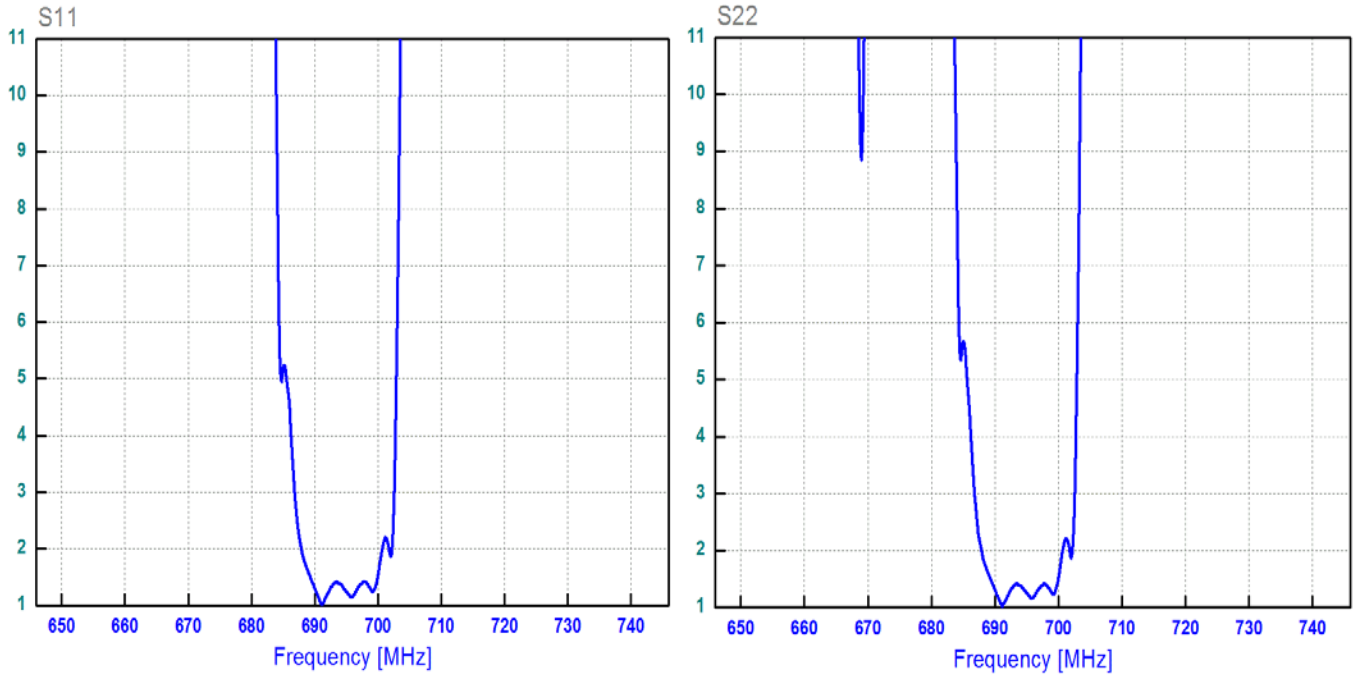
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

