



Total Solution Provider in Saw Device

SA800CM

Wireless, RF SAW Filter
Revision 0: October,2009



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

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□ Electrical Characteristics

Maximum Ratings

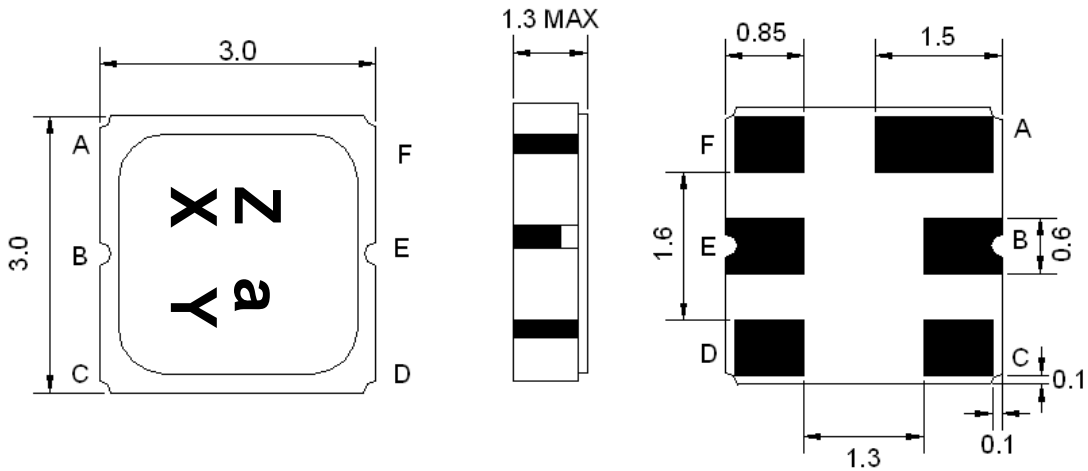
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	800.0	-
Insertion Loss within 790.0 ~ 810.0 MHz	dB	-	2.3	3.0
Amplitude Ripple within 790.0 ~ 810.0 MHz	dB _{p-p}	-	1.4	2.0
Attenuation:				
0.3 ~ 760.0 MHz	dB	25	30	-
832.0 ~ 852.0 MHz	dB	30	37	-
852.0 ~ 900.0 MHz	dB	25	32	-
VSWR within 790.0 ~ 810.0 MHz	-	-	2.1	2.5

Notes : (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

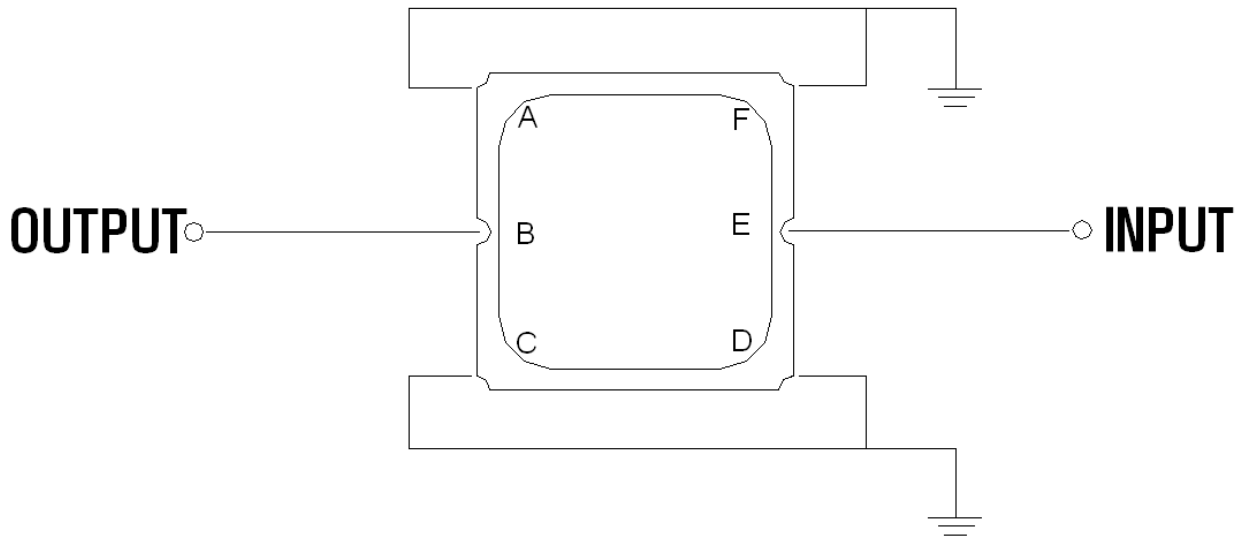
Package Dimensions



Marking Descriptions	
Z	Wireless Application
a	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

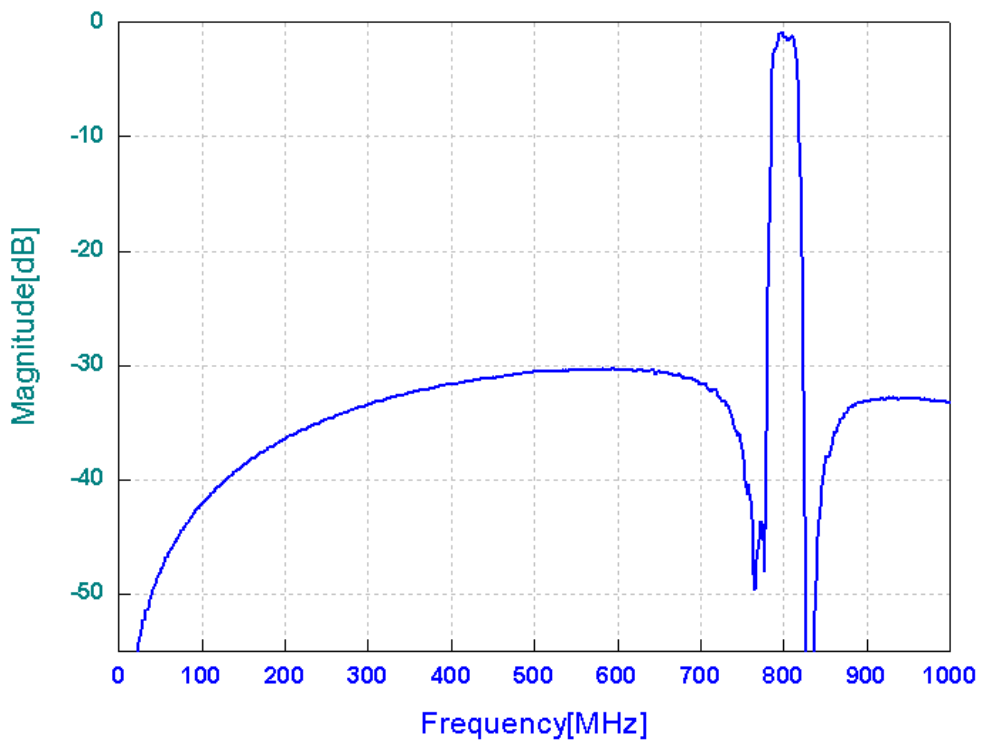
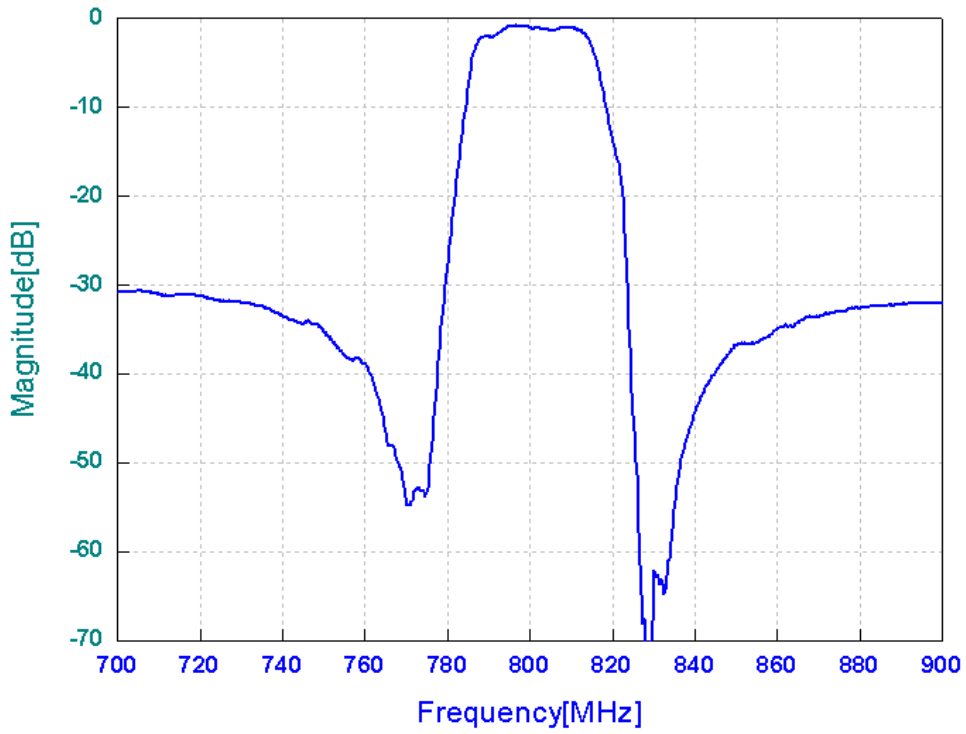
Testing Environment



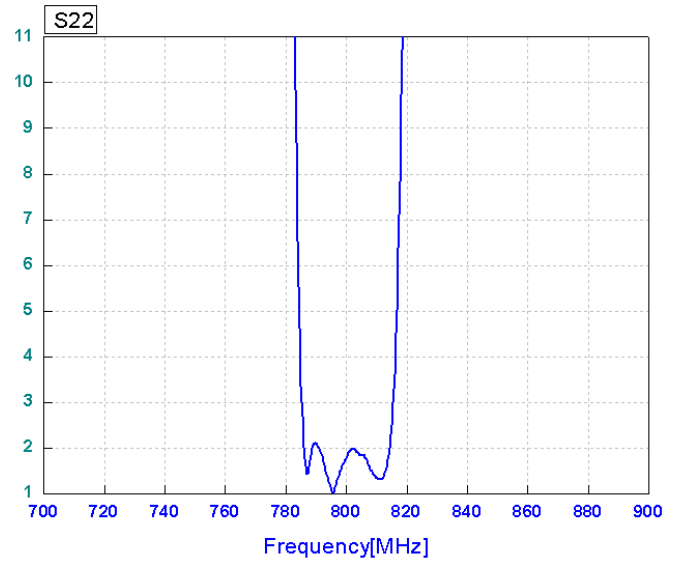
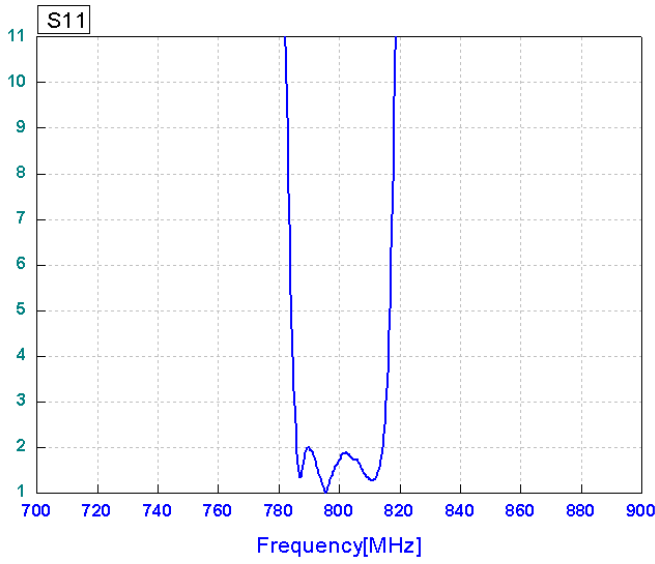
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

