



Total Solution Provider in Saw Device

SA872CM

Wireless, RF SAW Filter
Revision 1: October ,2009



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

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□ Electrical Characteristics

Maximum Ratings

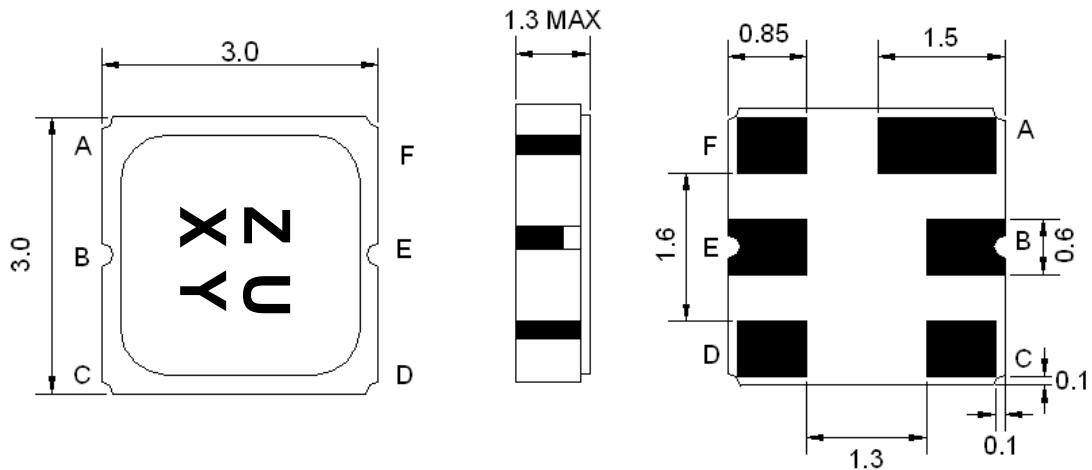
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	872.4	-
Insertion Loss within 870.4 ~ 874.4MHz	dB	-	2.5	3.0
Amplitude Ripple within 870.4 ~ 874.4MHz	dB _{p-p}	-	0.3	0.8
Attenuation				
800.0 ~ 850.0 MHz	dB	40	50	-
861.05 MHz (Fo-11.35MHz)	dB	10	20	-
883.75 MHz (Fo+11.35MHz)	dB	10	20	-
890.0 ~ 950.0 MHz	dB	35	42	-

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

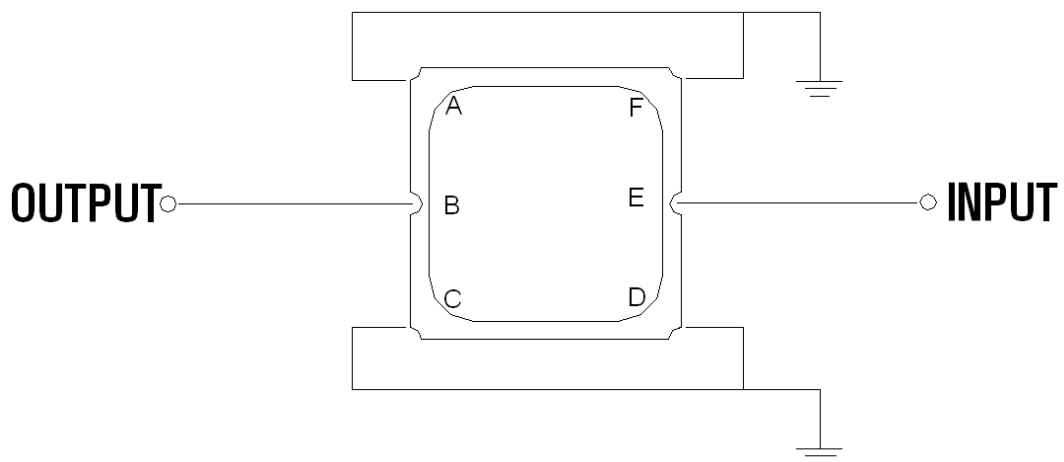
Package Dimensions



Marking Descriptions	
Z	Wireless Application
U	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

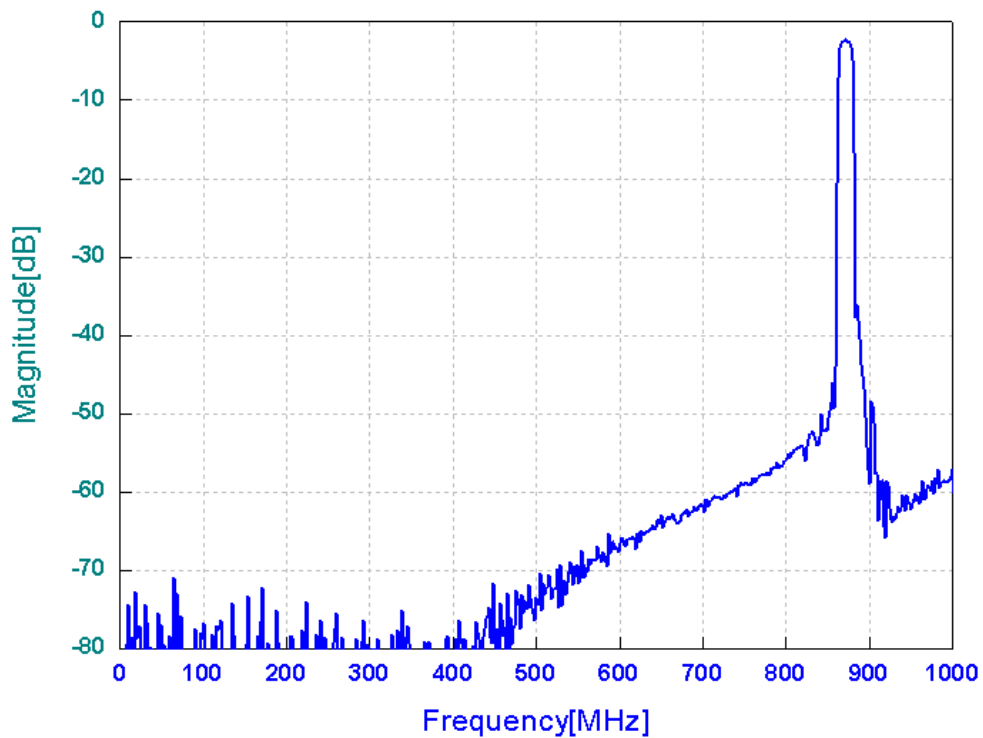
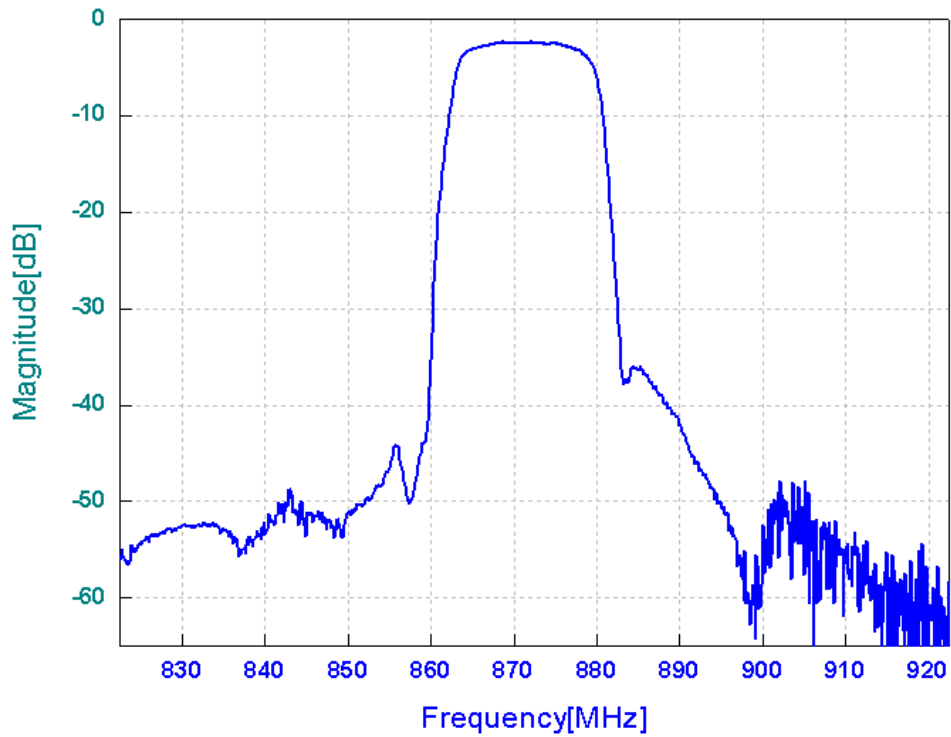
Testing Environment



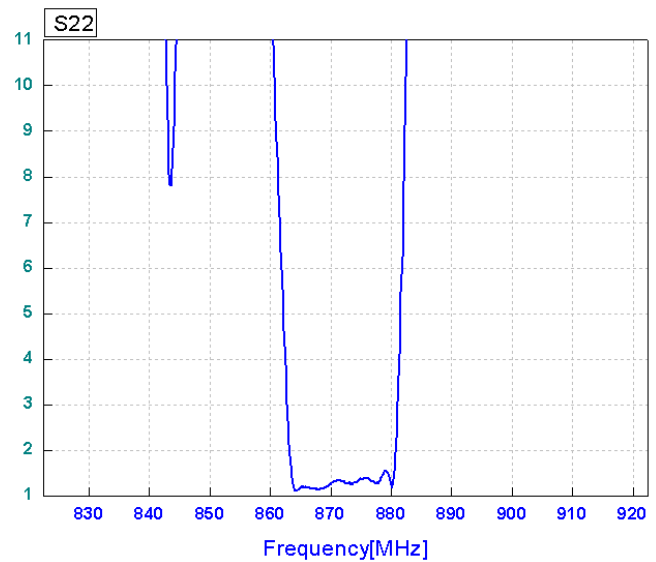
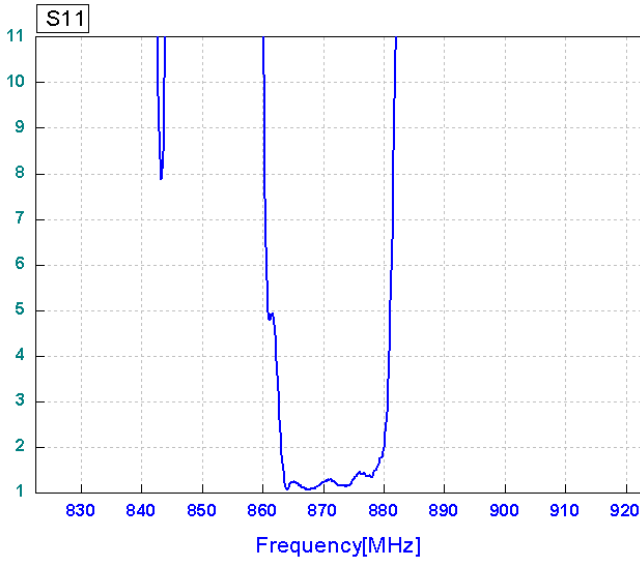
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

