



Total Solution Provider in Saw Device

SA460FP

Wireless, RF SAW Filter
Revision 0: August 2012



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

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□ Electrical Characteristics

Maximum Ratings

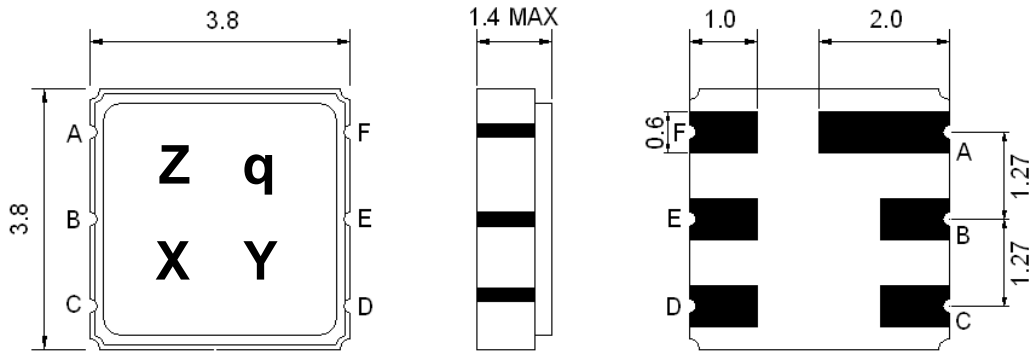
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	33
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	460.0	-
Insertion Loss within 449.2 ~ 470.8 MHz	dB	-	2.6	4.0
Amplitude Ripple within 449.2 ~ 470.8 MHz	dB _{p-p}	-	0.6	2.0
Attenuation:				
Fo-100.0 ~ Fo-40.8 MHz	dB	40	48	-
Fo+40.0 ~ Fo+100.0 MHz	dB	20	27	-
Return Loss within 449.2~470.8 MHz	dB	10	15	-

Notes : (1) No Matching Network .

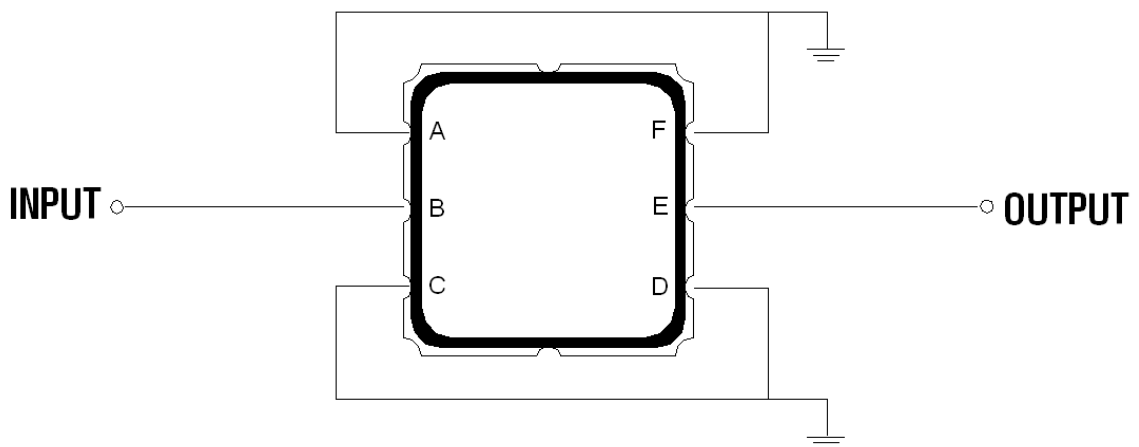
Package Dimensions



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

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

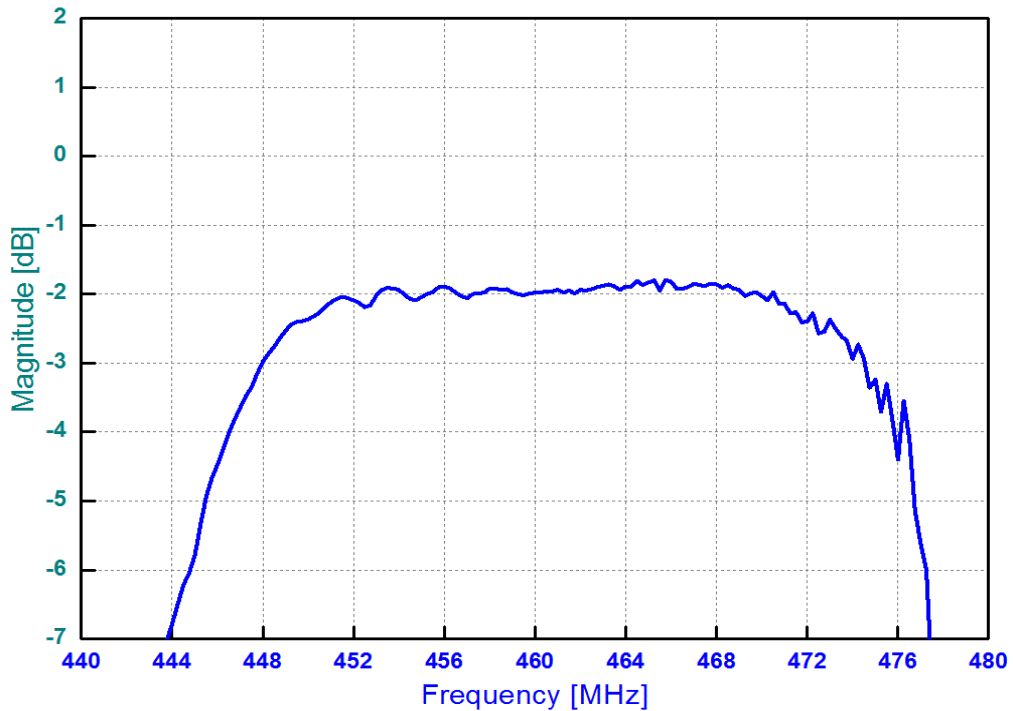
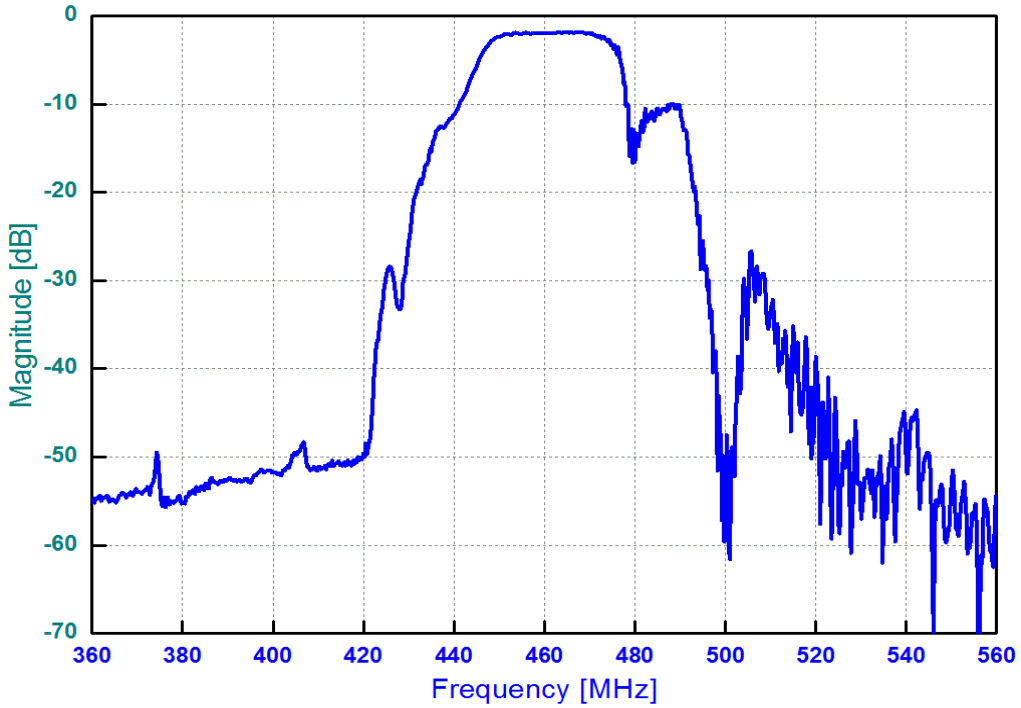
Testing Environment



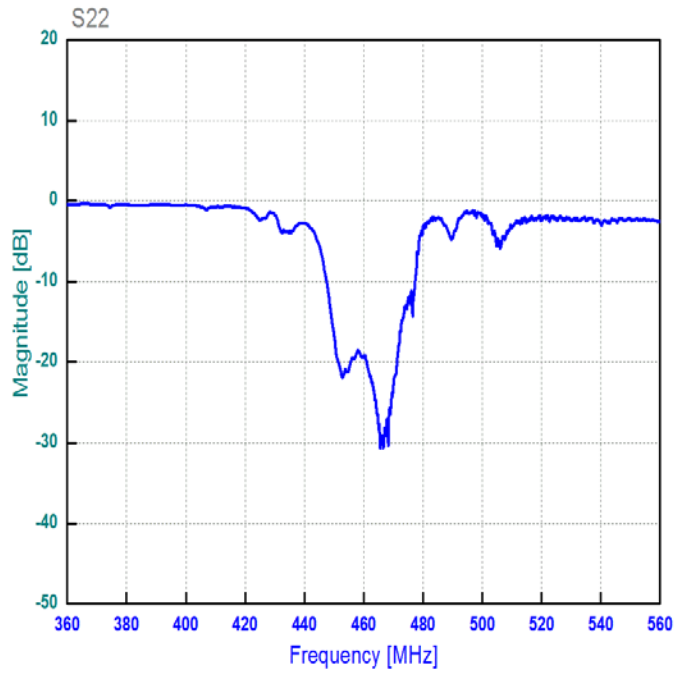
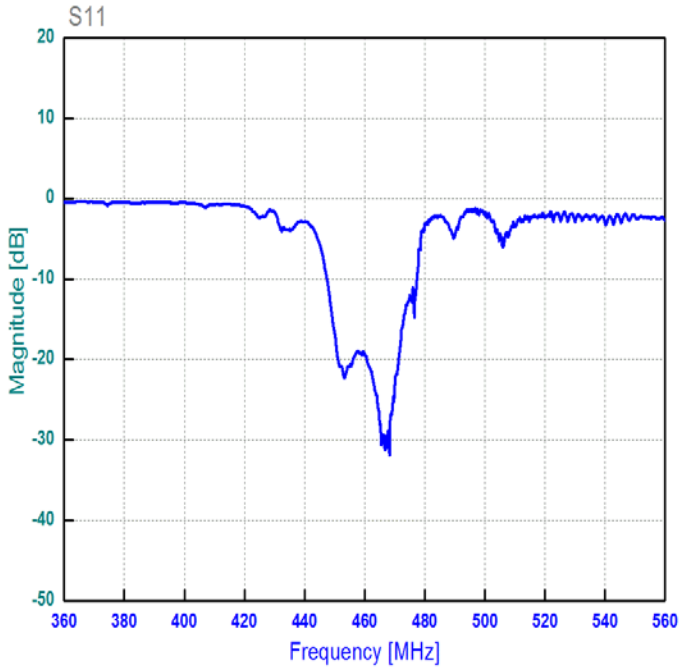
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

