



Total Solution Provider in Saw Device

SA452CP

Wireless, RF SAW Filter
Revision 0: September 2010



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

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□ Electrical Characteristics

Maximum Ratings

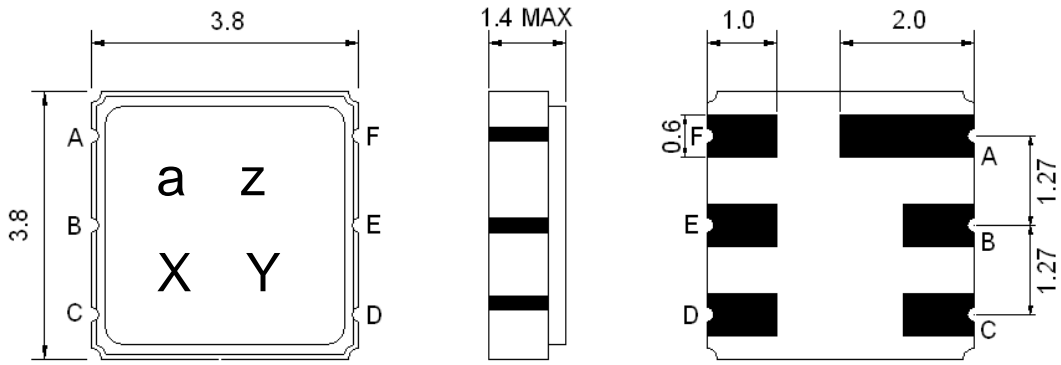
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	452.5	-
Insertion Loss within 450.0 ~455.0 MHz	dB	-	2.0	3.5
Amplitude within 450.0 ~455.0 MHz	dB _{p-p}	-	0.5	1.2
Stop Band Attenuation:				
0.3 ~ 440.0 MHz	dB	40	45	-
440.0 ~ 445.0 MHz	dB	35	45	-
480.0 ~ 500.0 MHz	dB	35	50	-
VSWR within 450.0 ~ 455.0 MHz	-	-	1.5	2.2

Notes : (1) No Matching Network .

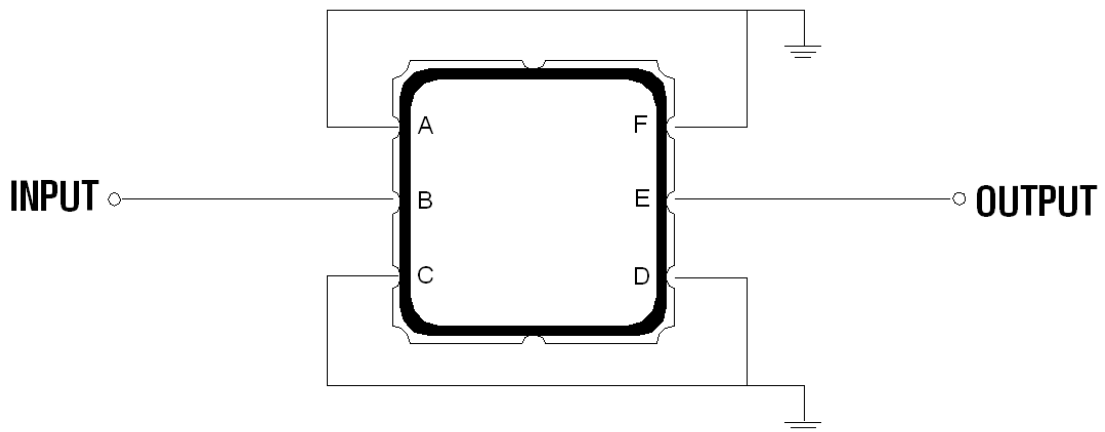
Package Dimensions



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

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

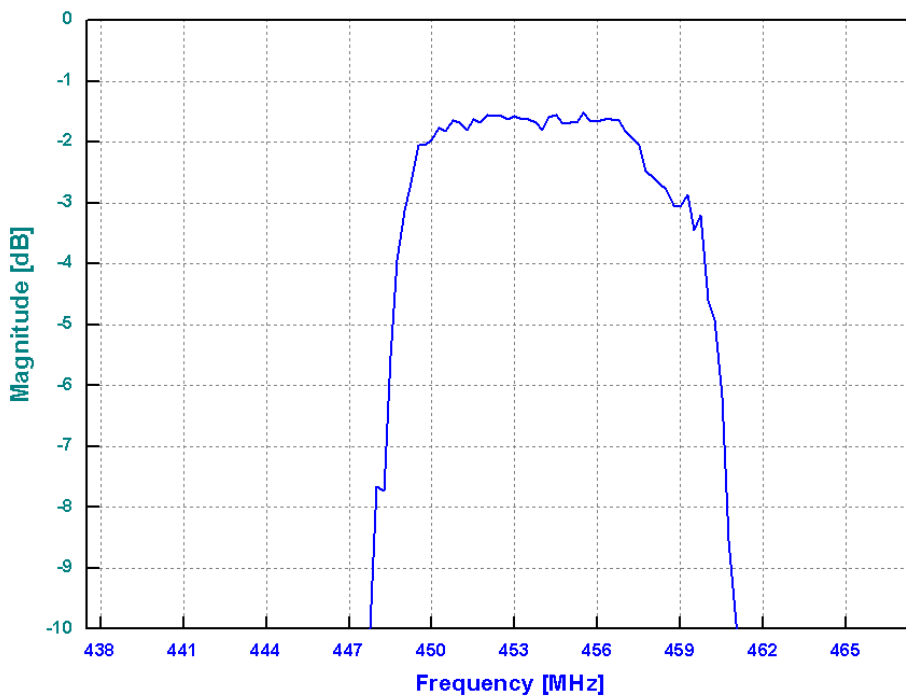
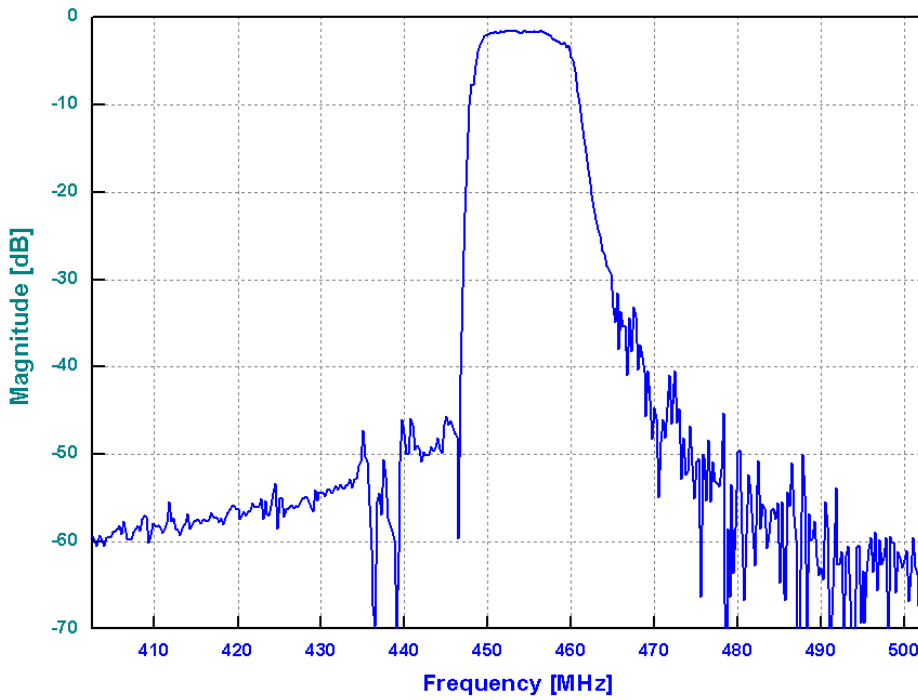
Testing Environment



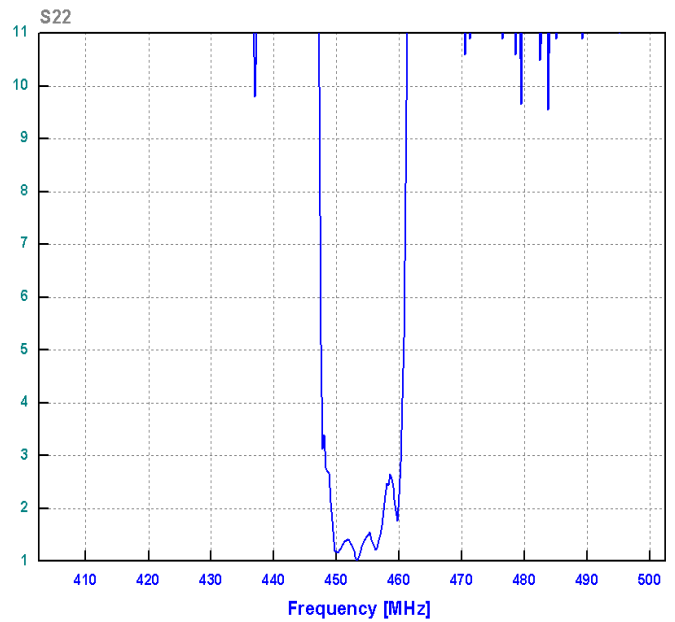
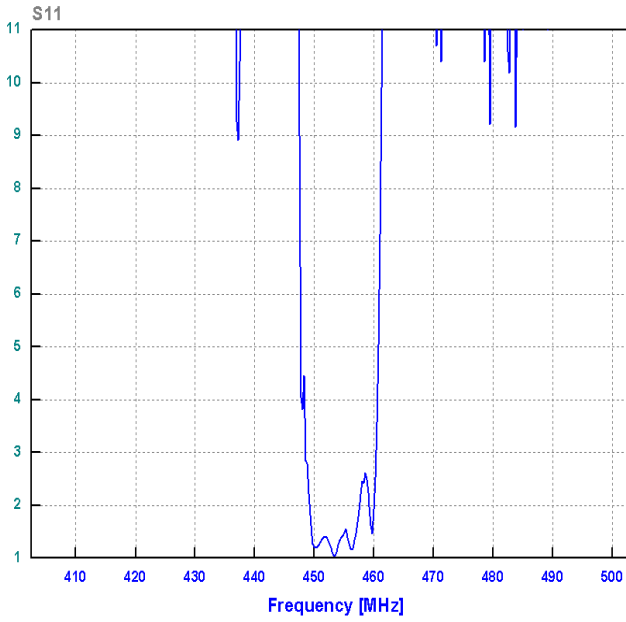
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

