



Total Solution Provider in Saw Device

SA470AP

Wireless, RF SAW Filter
Revision 0: September 2008



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

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□ Electrical Characteristics

Maximum Ratings

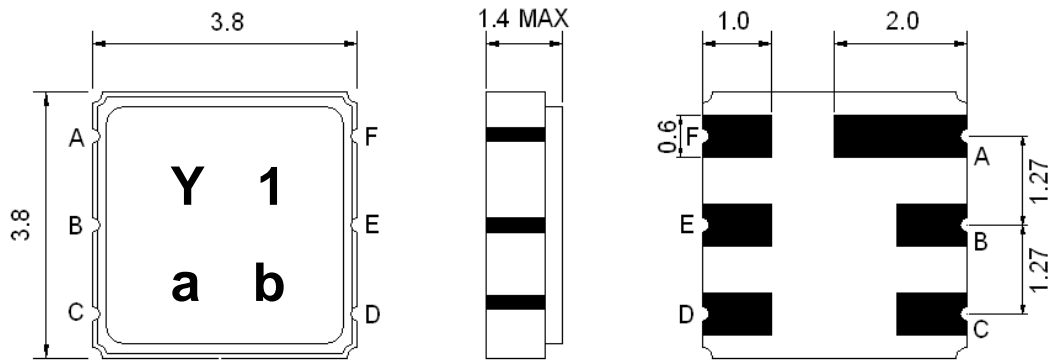
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	470.0	-
Insertion Loss within 460.0 ~480.0 MHz	dB	-	2.3	4.0
Amplitude Ripple within 460.0 ~480.0 MHz	dB	-	0.7	2.0
Attenuation:				
400.0 ~ 420.0 MHz	dB	40	46	-
505.0 ~ 525.0 MHz	dB	20	30	-
550.0 ~ 570.0- MHz	dB	40	48	-
Return Loss within 460.0 ~ 480.0 MHz	dB	10	16	-

Notes : (1) No Matching Network .

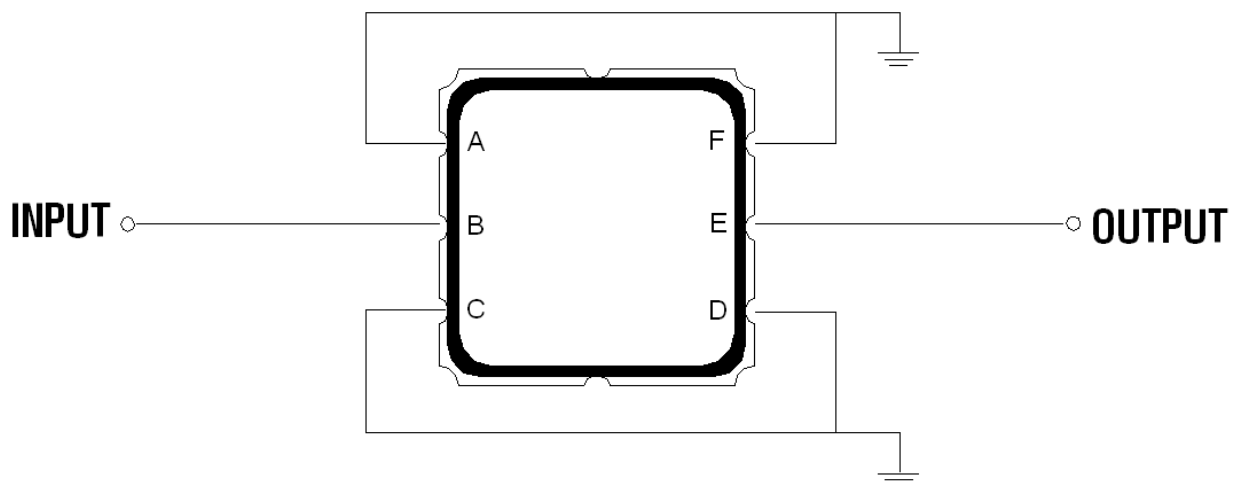
Package Dimensions



Marking Descriptions	
Y	Wireless Application
1	Series Number
a	Date Code(Year)
b	Date Code(Month)

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

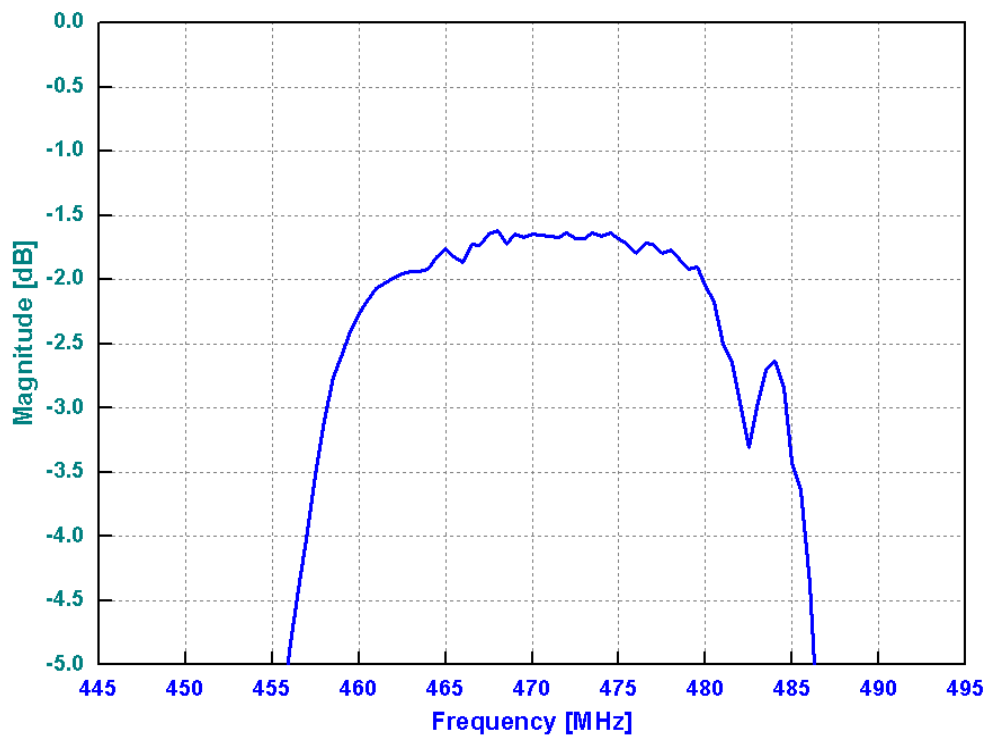
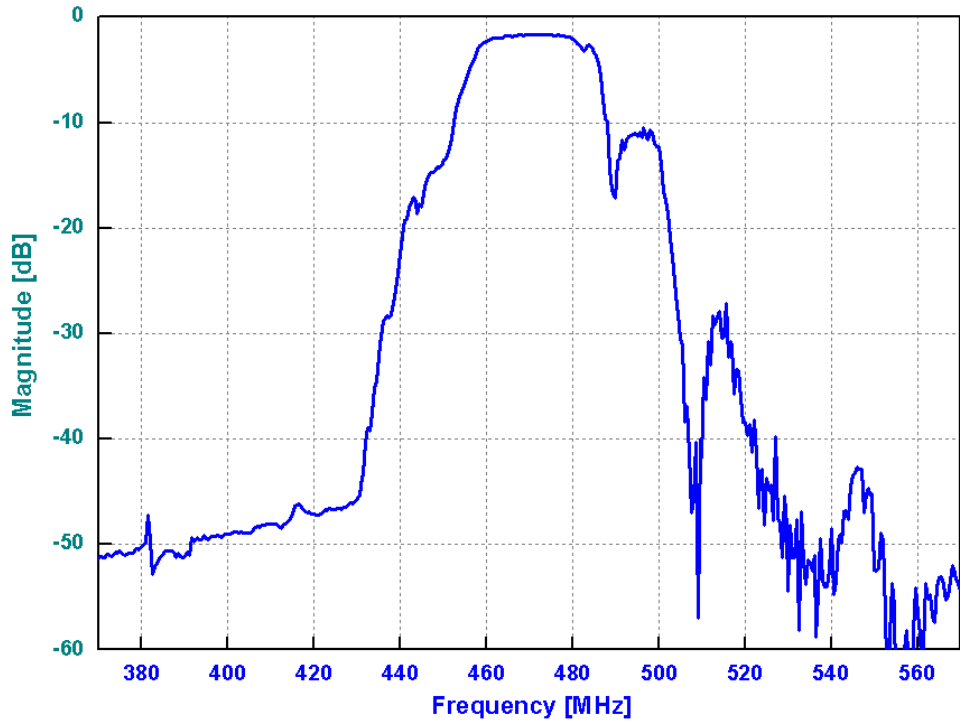
Testing Environment



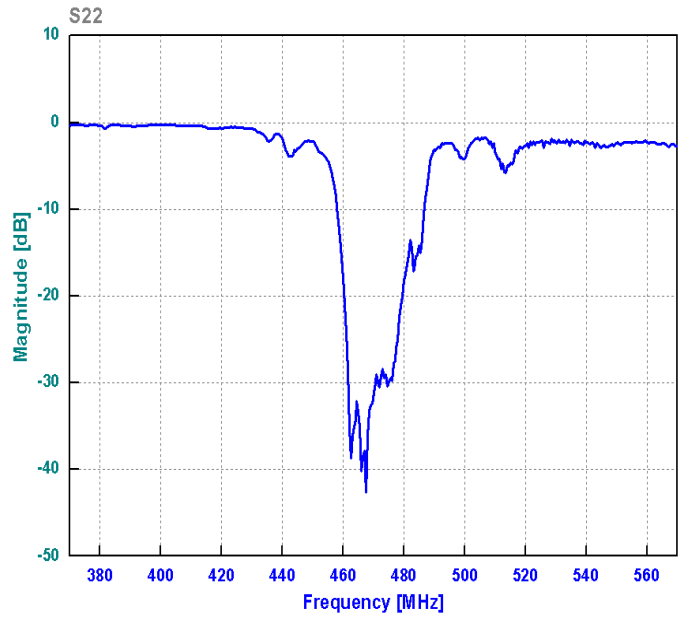
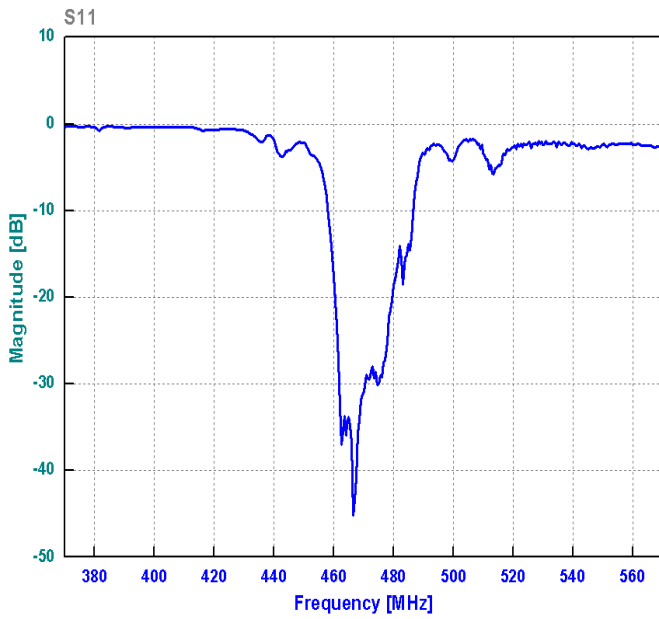
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

