



Total Solution Provider in Saw Device

SA405BP

Wireless, RF SAW Filter
Revision 0: August 2009



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

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□ Electrical Characteristics

Maximum Ratings

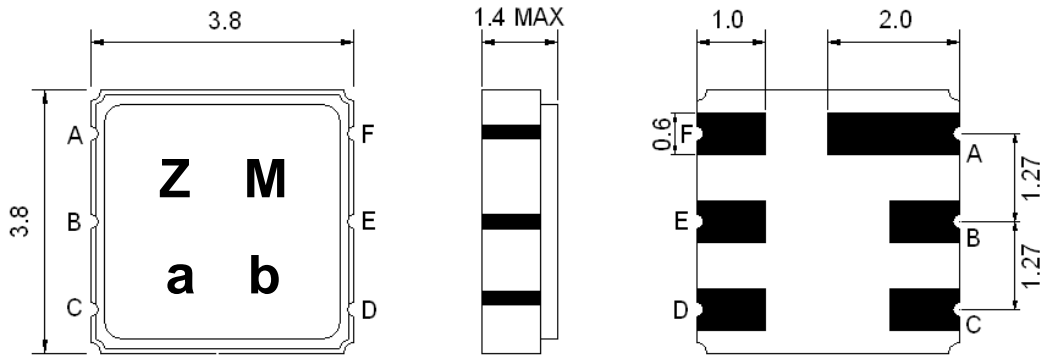
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Average Input Power	dBm	-	-	28
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	405.0	-
Insertion Loss within 402.5 ~ 407.5 MHz	dB	-	1.7	2.8
Amplitude Ripple within 402.5 ~ 407.5 MHz	dB	-	0.7	1.5
Attenuation:				
0.3~392.0 MHz	dB	28	32	-
412.5~417.5 MHz	dB	30	40	-
417.5~1000.0 MHz	dB	25	37	-
1000.0~2000.0 MHz	dB	25	30	-
VSWR within 402.5 ~ 407.5 MHz	-	-	1.6	2.0

Notes : (1) No Matching Network

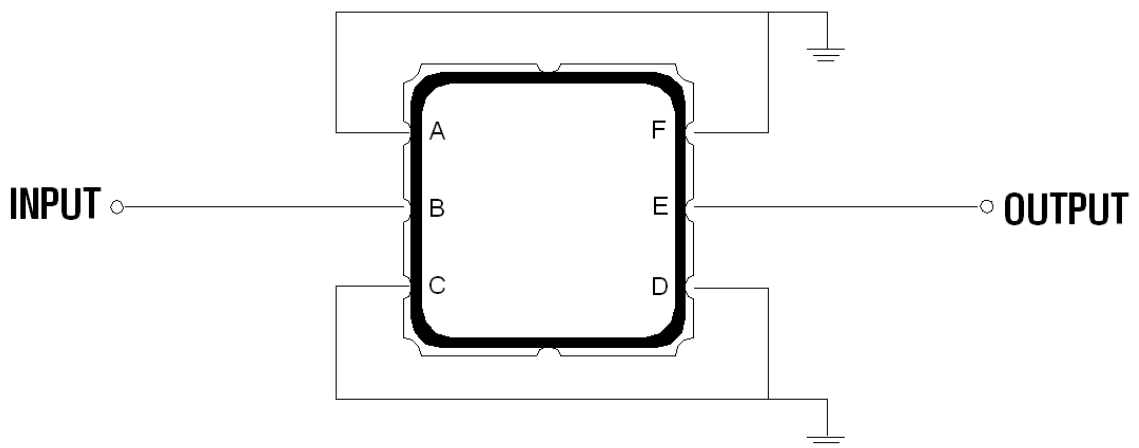
Package Dimensions



Marking Descriptions	
Z	Wireless Application
M	Series Number
a	Date Code(Year)
b	Date Code(Month)

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

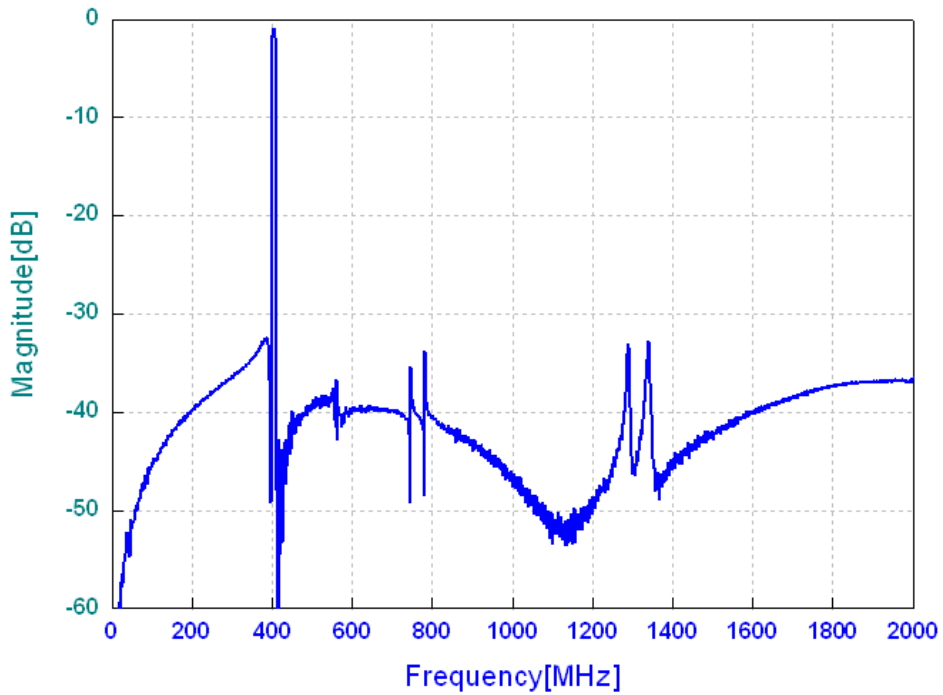
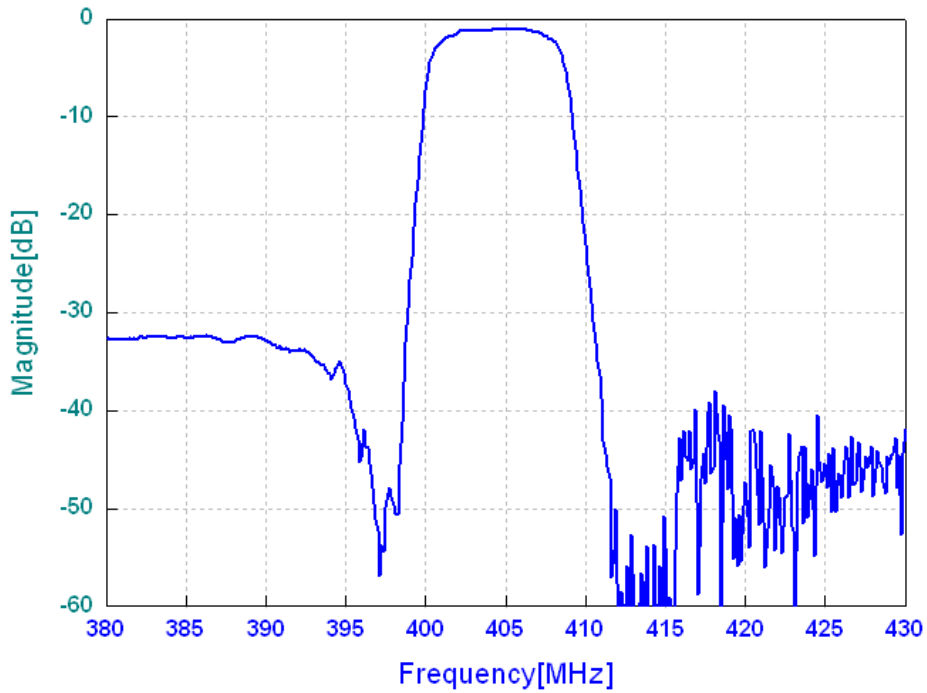
Testing Environment



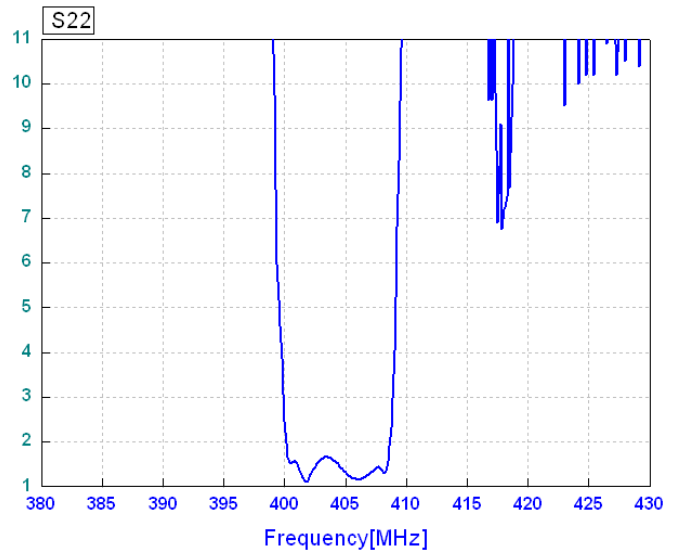
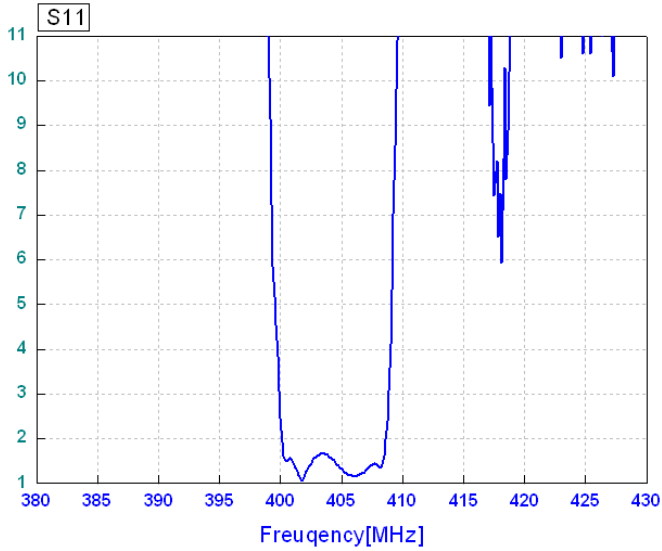
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

