



Total Solution Provider in Saw Device

SA421BM1

CDMA 450 L-Band, Balanced RF-Rx SAW Filter
Revision 0: September, 2009



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

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Electrical Characteristics

Maximum Ratings

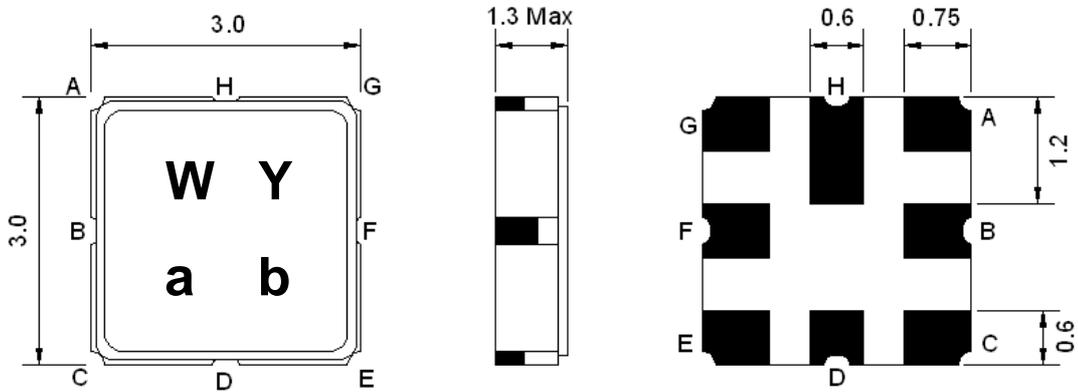
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω	-	100	-
Package type & size	M1			
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	-	421.5	-
Insertion Loss within 419.0 ~ 424.0 MHz	dB	-	2.3	3.5
Attenuation:				
0.3 ~ 409.0 MHz	dB	35	50	-
409.0 ~ 414.0 MHz	dB	35	48	-
445.0 ~ 600.0 MHz	dB	40	48	-
600.0 ~ 1200.0 MHz	dB	40	55	-
1200.0 ~ 2000.0 MHz	dB	35	50	-
VSWR within 419.0 ~ 424.0 MHz	-	-	2.5	2.8

Notes : (1) No Matching Network

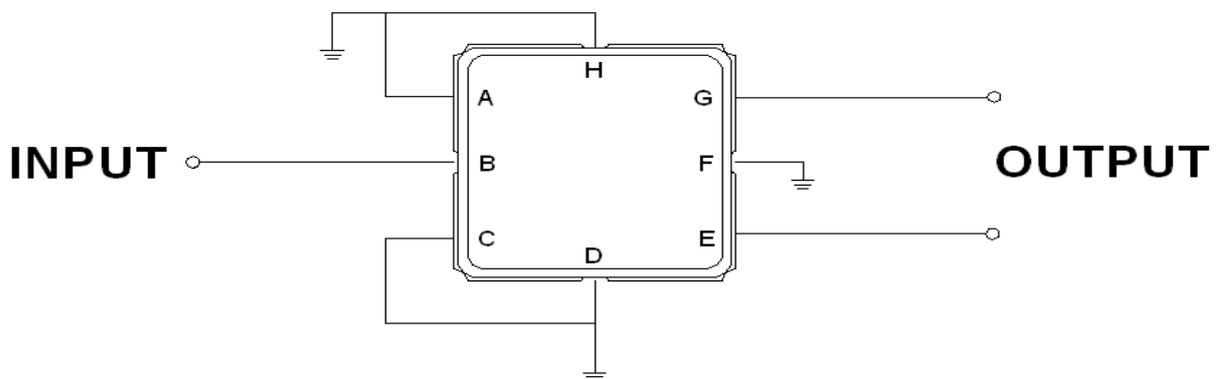
Package Dimensions



Marking Descriptions	
W	CDMA450 Application
Y	Series Number
a	Date Code(Year)
b	Date Code(Month)

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

Testing Environment

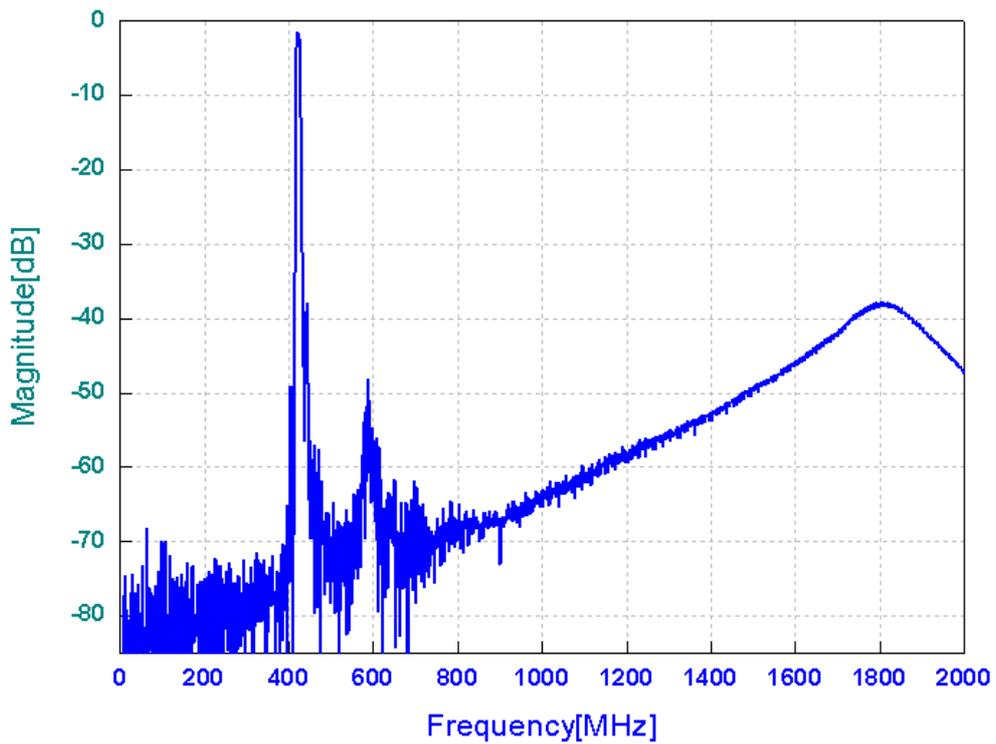
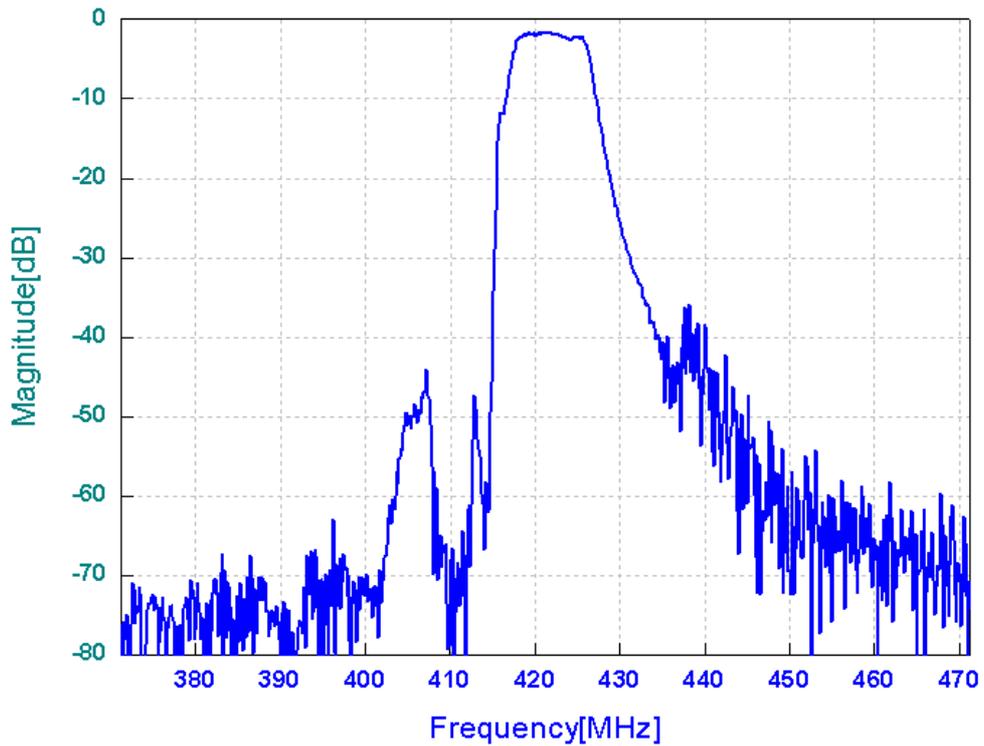


Source Impedance: 50 Ω

Load Impedance : 100 Ω

□ Frequency Characteristics

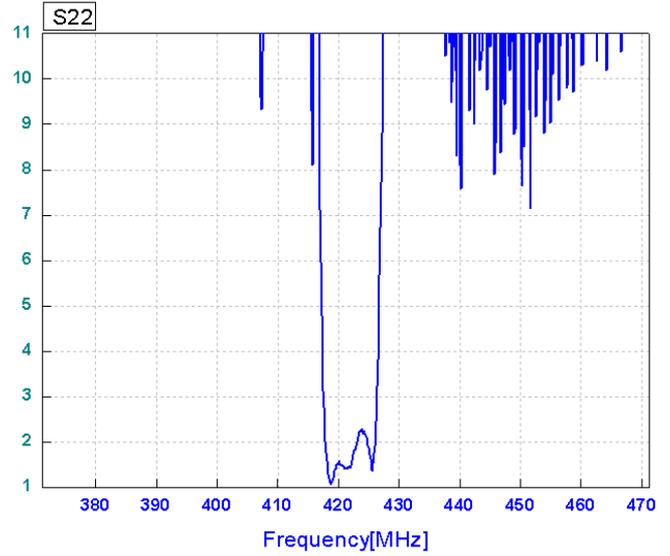
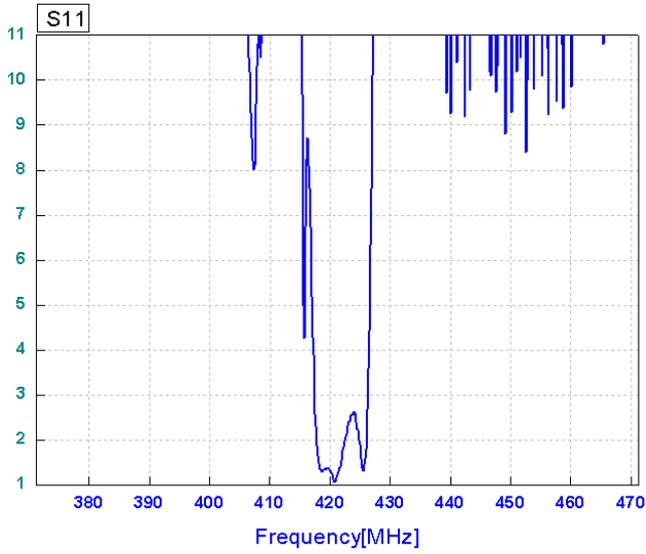
Frequency Response



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VSWR



Smith Chart

