



*Total Solution Provider in Saw Device*

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# SA422CM1

CDMA 450 L-Band, Balanced RF-Rx SAW Filter  
Revision 0: November 2006



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

### Maximum Ratings

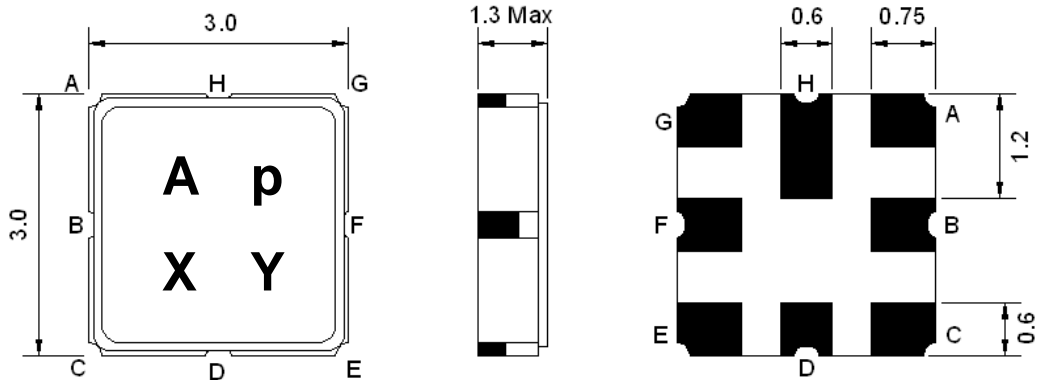
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) <sup>(1)</sup>	Ω		50	-
Load Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Package type & size	M1			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	422.75	-
Insertion Loss in 420.5 ~425.0 MHz	dB	-	2.6	4.0
<b>Stop Band Attenuation:</b>				
0.3 ~ 410.5 MHz	dB	40	50	-
410.5 ~ 415.0 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 in 420.5 ~ 425.0 MHz	-	-	1.9	2.5

**Notes :** (1) No Matching Network .

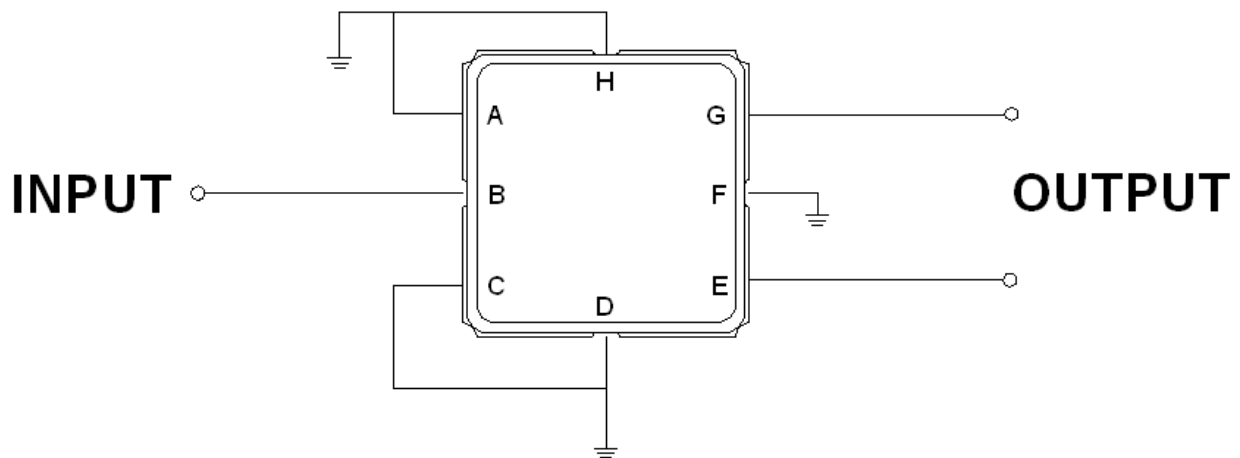
**□ Package Dimensions**



Marking Descriptions	
A	CDMA450 Application
p	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

**□ Testing Environment**

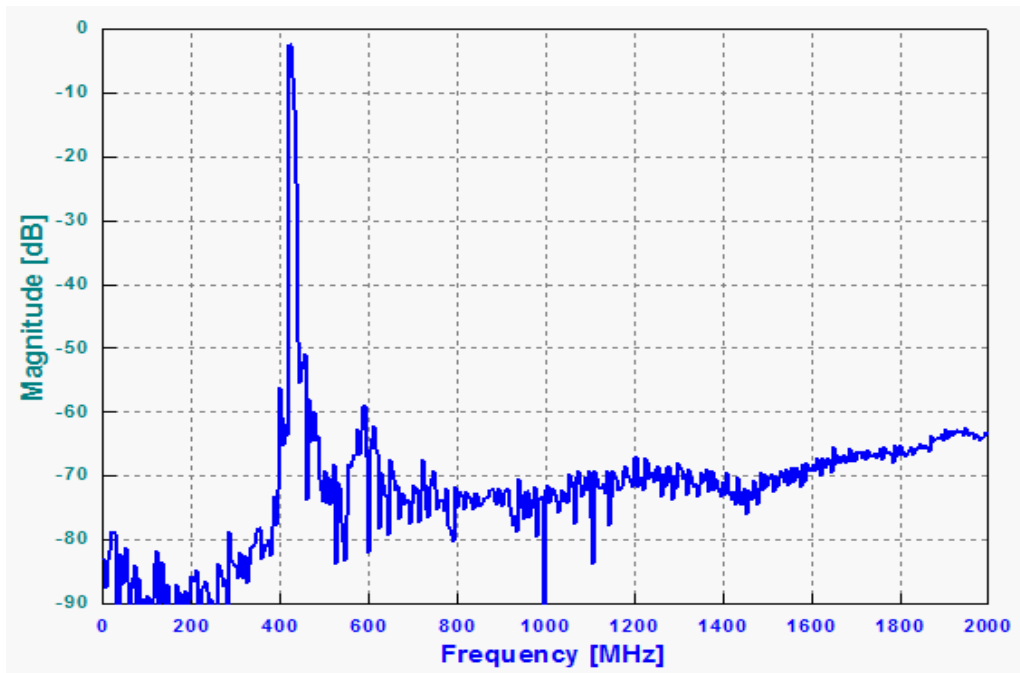
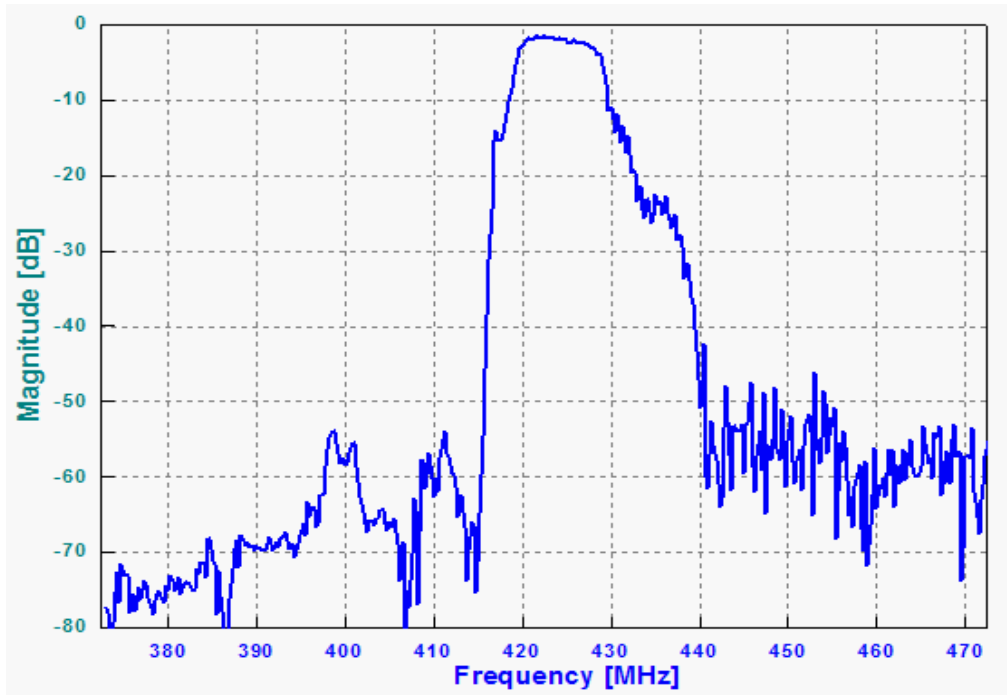


Source Impedance : 50 Ω

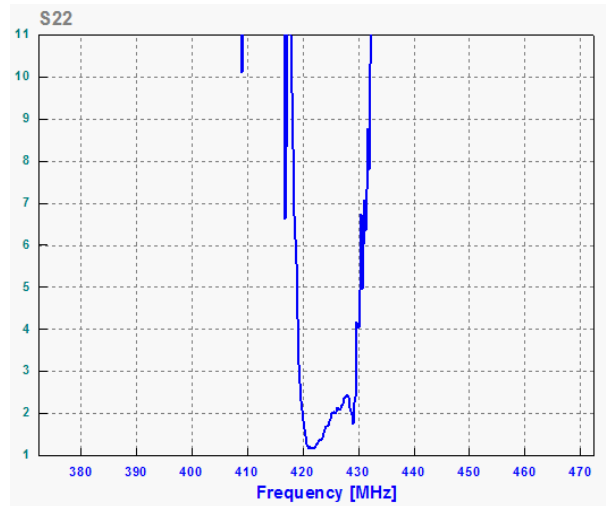
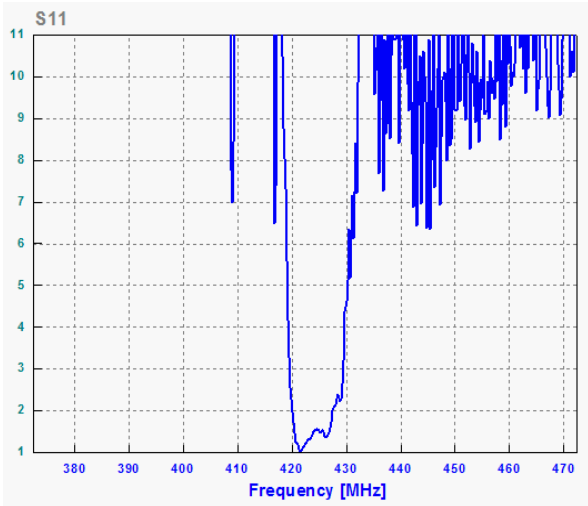
Load Impedance : 100 Ω

**□ Frequency Characteristics**

Frequency Response



**VSWR**



**Smith Chart**

