



*Total Solution Provider in Saw Device*

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# SA465HM2

CDMA 450 A-Band, RF-Rx SAW Filter  
Revision 0: August , 2007



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

### Maximum Ratings

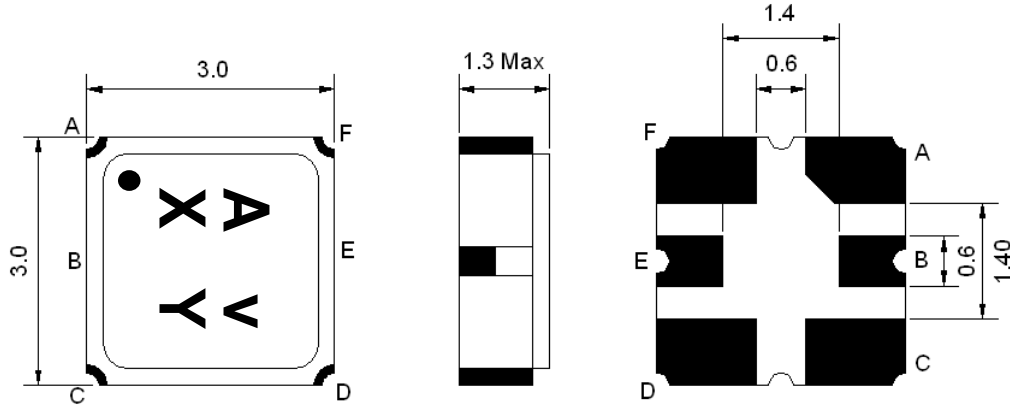
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M2			
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	-	465.0	-
Insertion Loss within 462.5 ~467.5 MHz	dB	-	1.8	3.5
<b>Stop Band Attenuation:</b>				
0.3 ~ 452.5 MHz	dB	40	55	-
452.5 ~ 457.5 MHz	dB	40	53	-
485.0 ~ 507.5 MHz	dB	35	47	-
507.5 ~ 1000.0 MHz	dB	40	50	-
1000.0 ~ 2000.0 MHz	dB	25	40	-
VSWR within 462.5 ~ 467.5 MHz	-	-	1.3	2.0

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

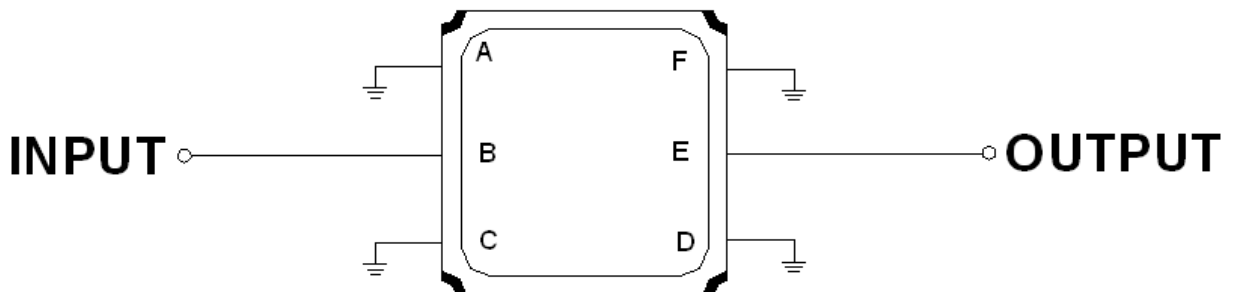
**Package Dimensions**



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

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

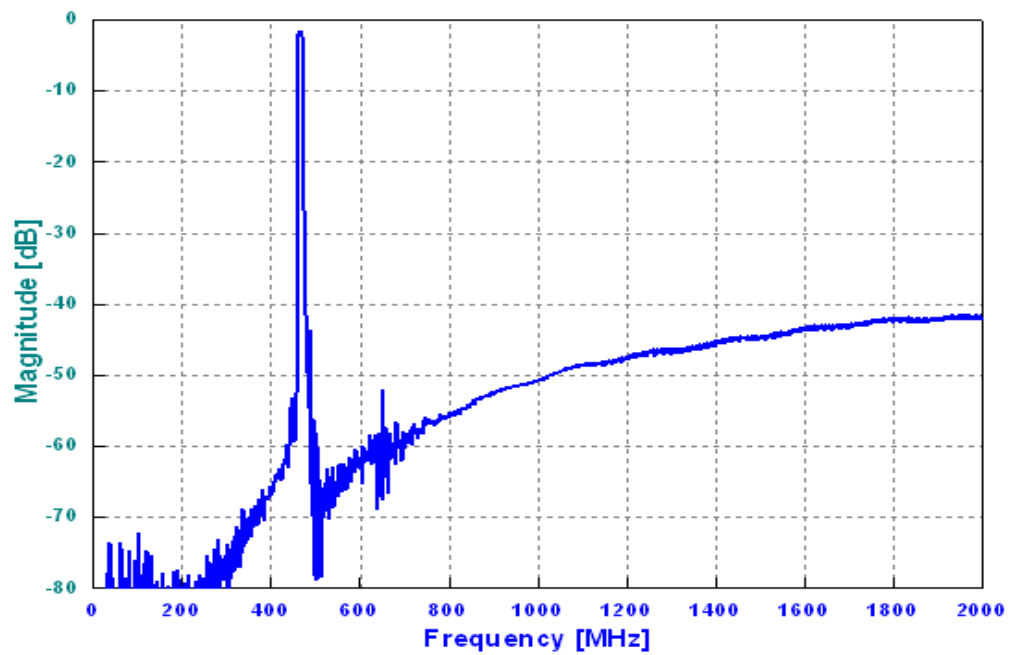
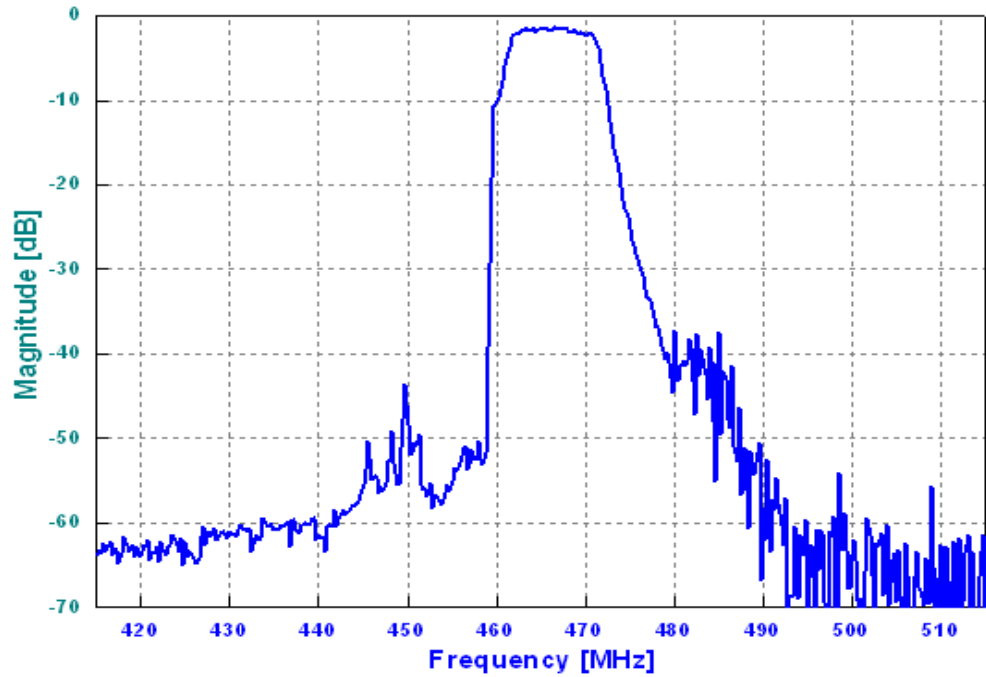
**Testing Environment**



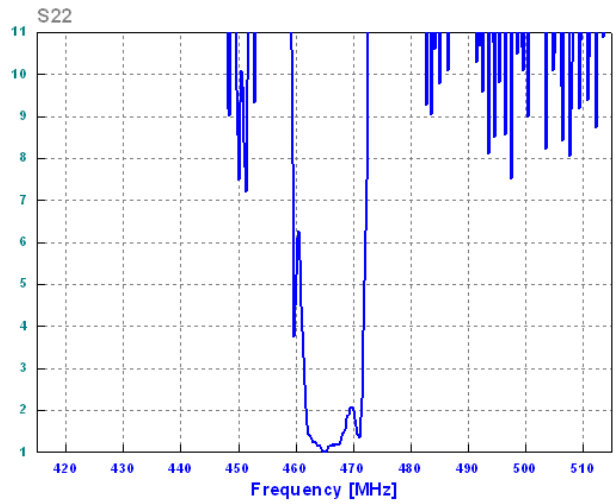
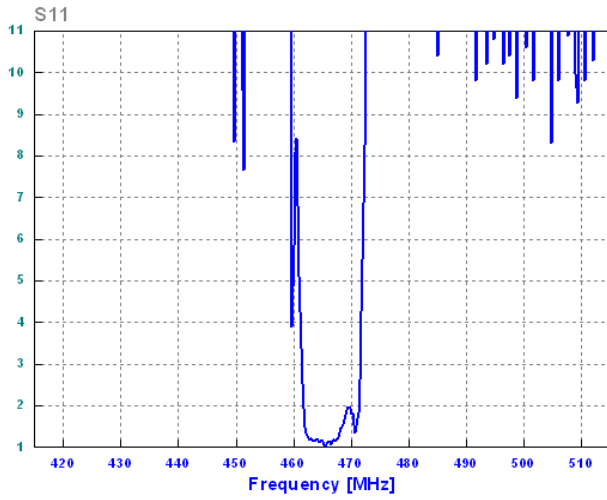
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

