



*Total Solution Provider in Saw Device*

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# SA455CM2

CDMA450 A-Band, RF-Tx SAW Filter  
Revision 0: April 2007



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

### Maximum Ratings

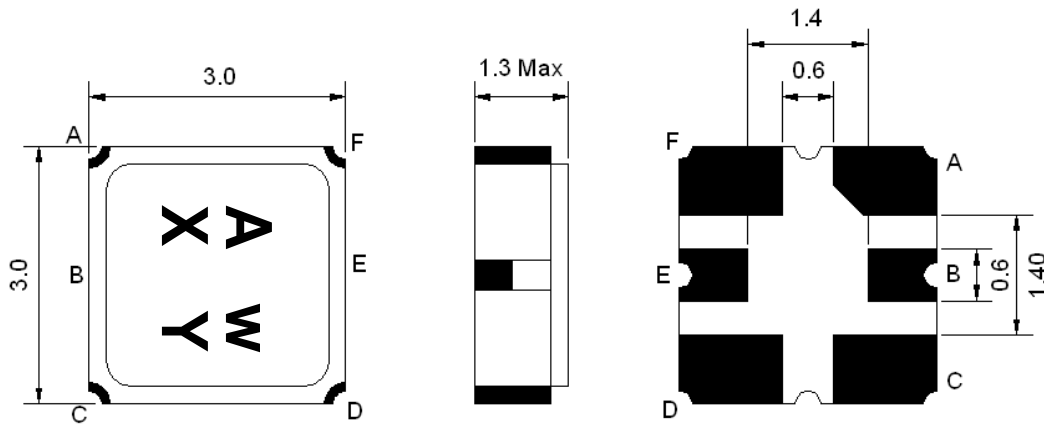
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package 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	-	455.0	-
Insertion Loss within 452.5 ~457.5 MHz	dB	-	1.8	2.8
<b>Stop Band Attenuation:</b>				
0.3 ~ 350.0 MHz	dB	30	33	-
350.0 ~ 445.0 MHz	dB	25	30	-
462.5 ~ 467.5 MHz	dB	30	47	-
462.5 ~ 467.5 MHz in -10°C ~ +85°C	dB	40	47	-
467.5 ~ 2000.0 MHz	dB	25	30	-
VSWR within 452.5 ~ 457.5 MHz	-	-	1.3	2.0

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

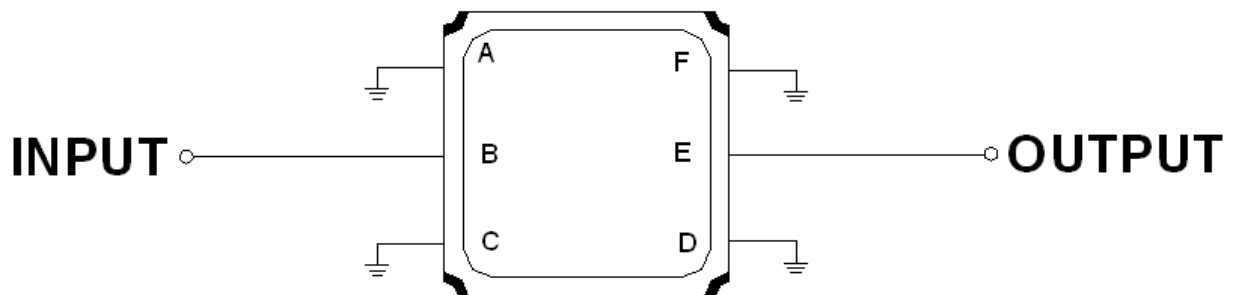
**Package Dimensions**



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

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

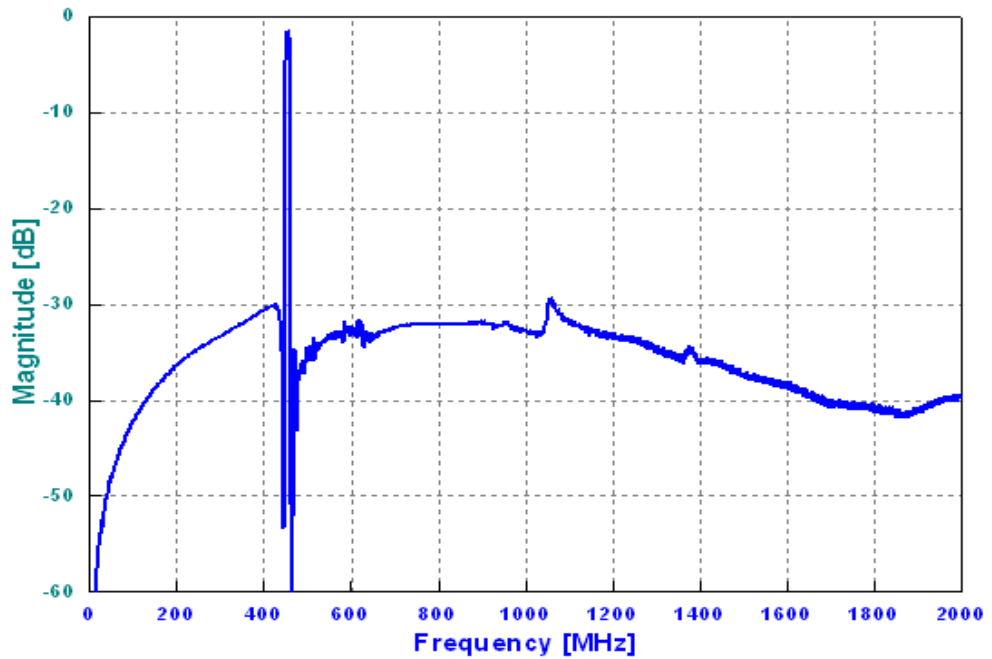
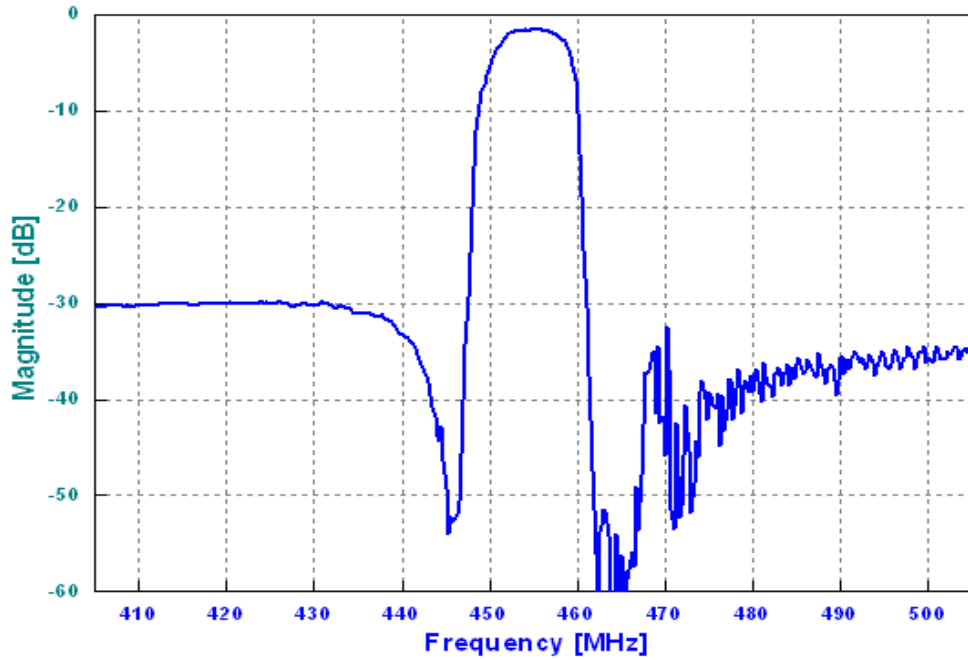
**Testing Environment**



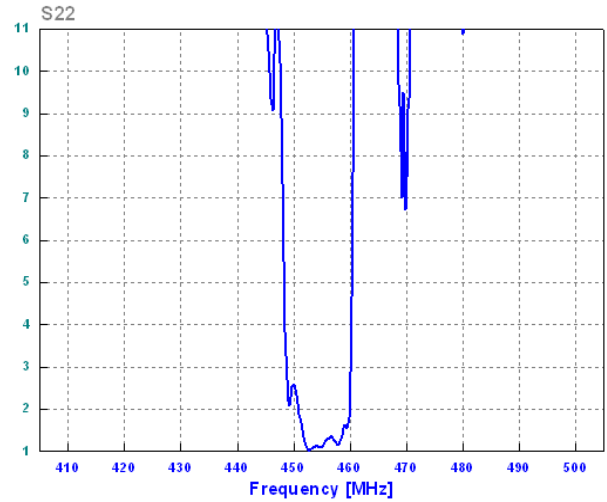
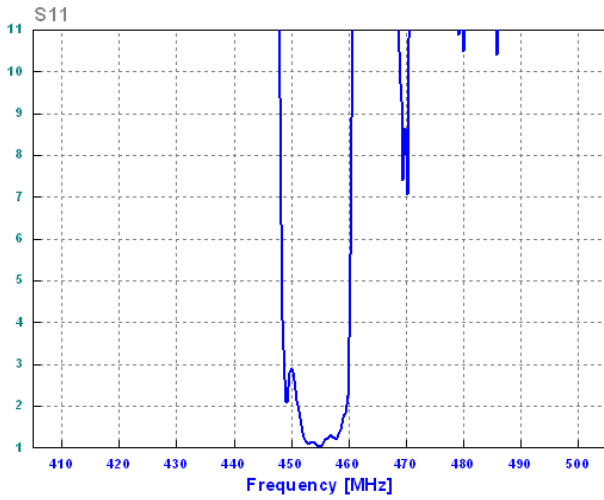
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



VSWR



Smith Chart

