



*Total Solution Provider in Saw Device*

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# SA462FM3

CDMA450 C-Band, Balanced RF-Rx SAW Filter  
Revision 0: June 2007



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

### Maximum Ratings

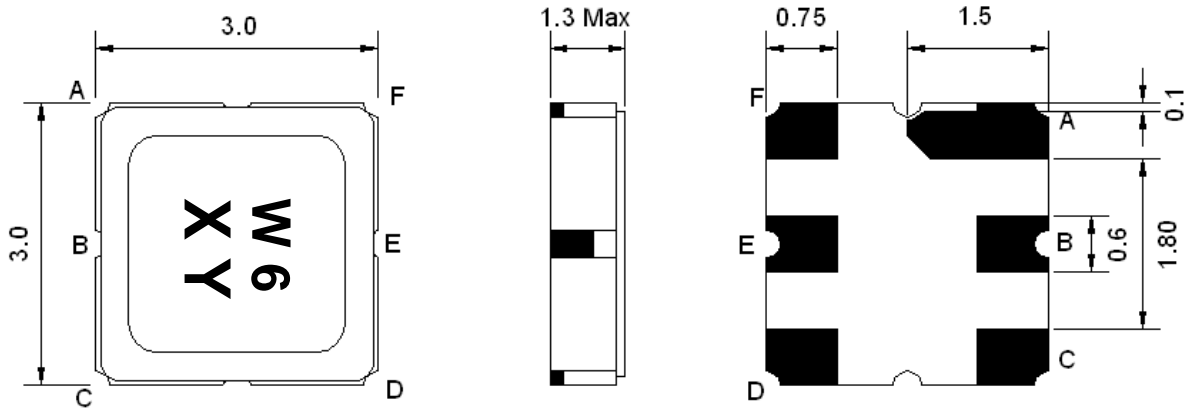
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	25
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Package type&size	M3			
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	-	462.4	-
Insertion Loss within 460.0 ~464.8 MHz	dB	-	2.2	4.0
<b>Stop Band Attenuation:</b>				
D.C ~ 440.0 MHz	dB	45	55	-
450.0 ~ 454.8 MHz	dB	30	43	-
478.0 ~ 505.0 MHz	dB	30	35	-
505.0 ~ 1000.0 MHz	dB	40	50	-
1000.0 ~ 1200.0 MHz	dB	48	55	-
1200.0 ~ 1700.0 MHz	dB	48	55	-
1700.0 ~ 2000.0 MHz	dB	45	50	-
VSWR within 460.0 ~ 464.8 MHz	-	-	2.2	2.5

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

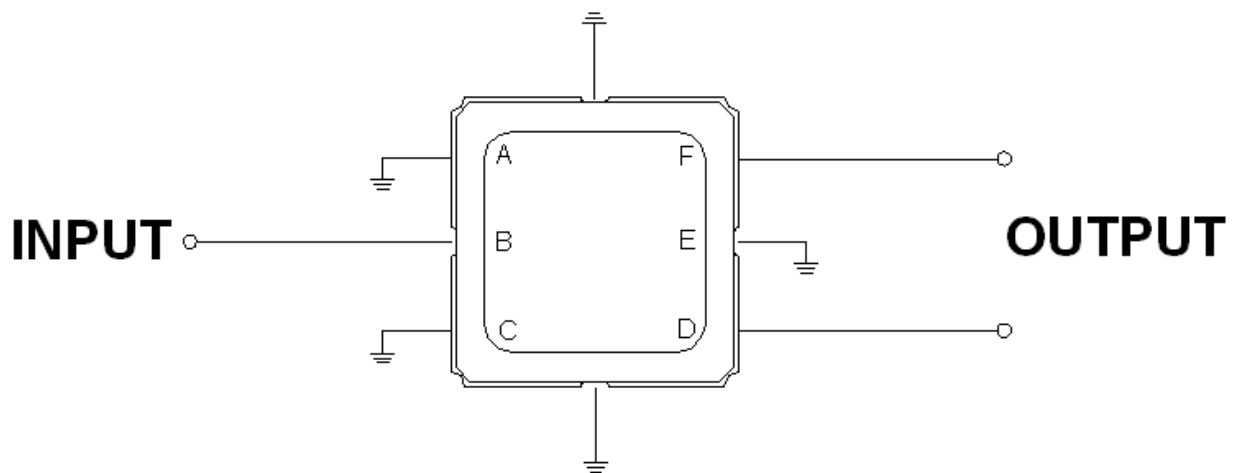
**Package Dimensions**



Marking Descriptions	
W	CDMA450 Application
6	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

**Testing Environment**

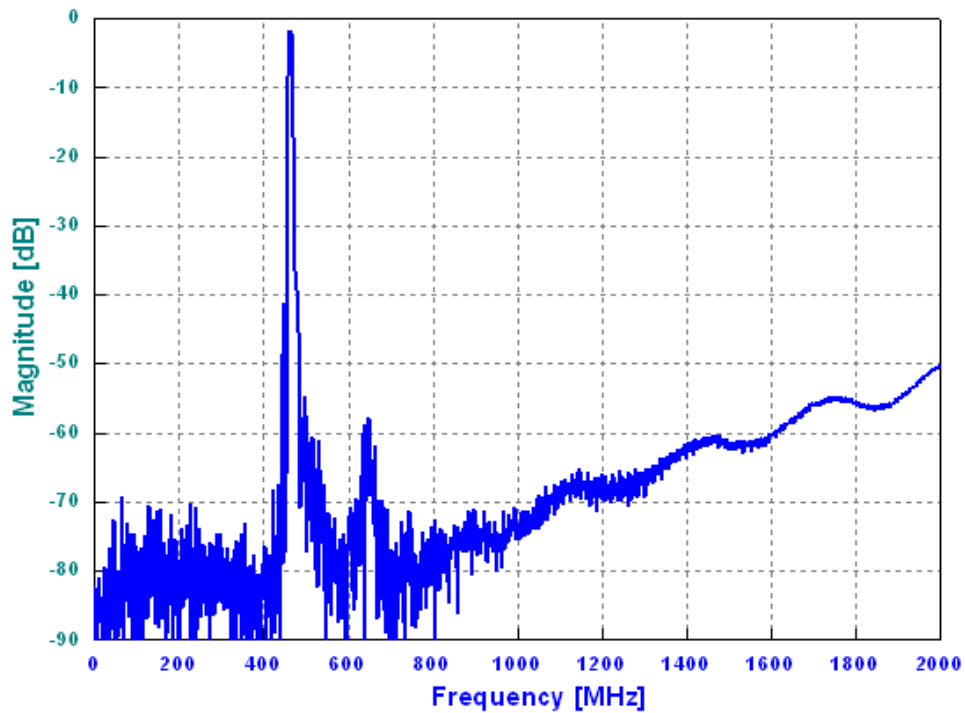
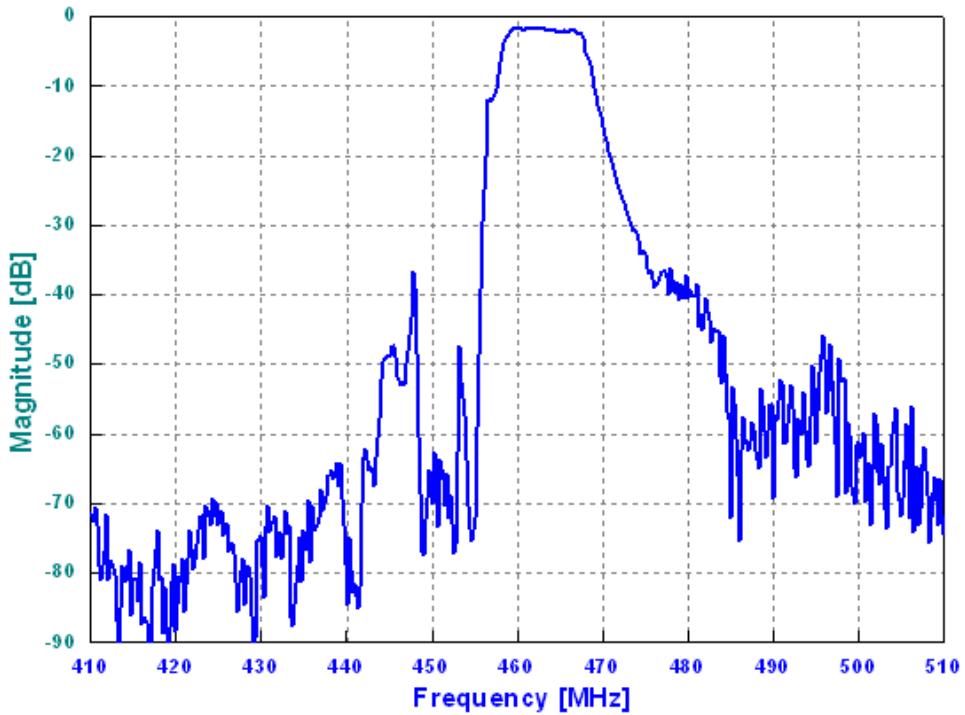


Source Impedance: 50 Ω

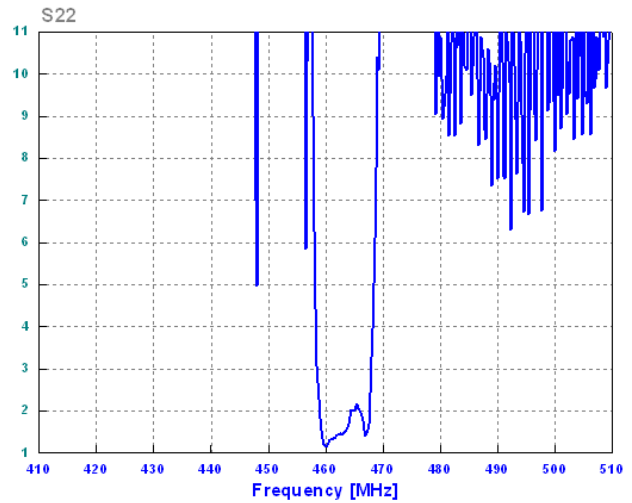
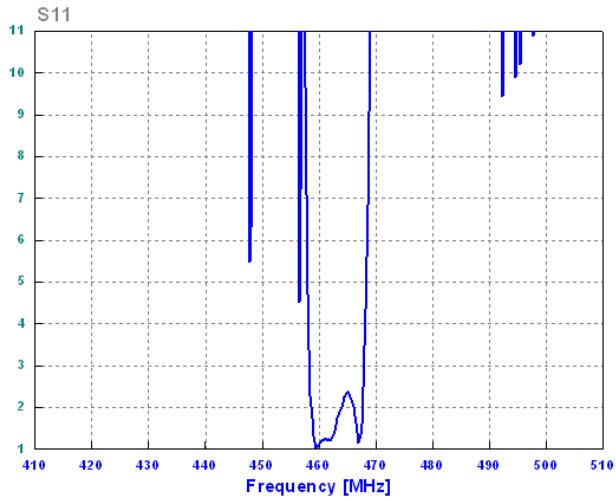
Load Impedance: 100 Ω

**□ Frequency Characteristics**

Frequency Response



**VSWR**



**Smith Chart**

