



*Total Solution Provider in Saw Device*

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# SA455BM3

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



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

### Maximum Ratings

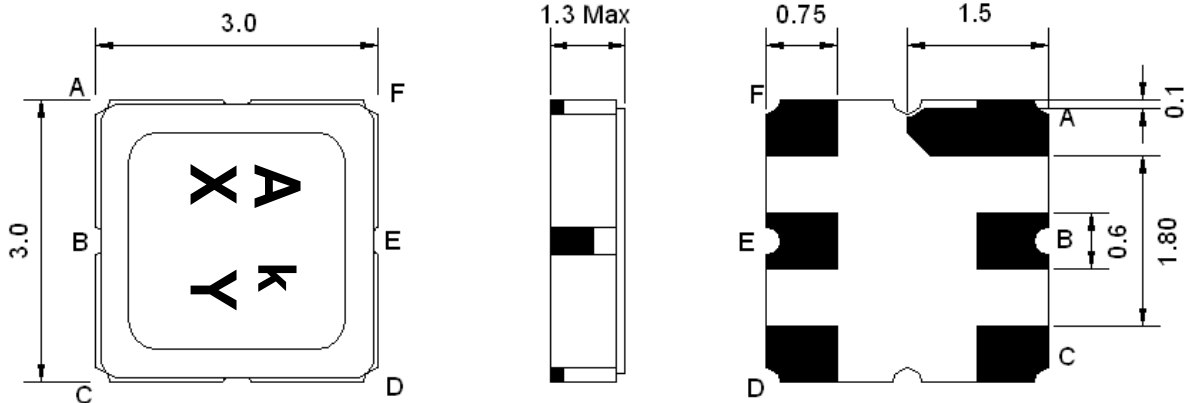
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-45	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	27
Source Impedance (balanced) <sup>(1)</sup>	Ω	-	100	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package 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	-	455.0	-
Insertion Loss within 452.5 ~457.5 MHz	dB	-	2.0	2.8
<b>Stop Band Attenuation:</b>				
0.3 ~ 350.0 MHz	dB	45	55	-
350.0 ~ 445.0 MHz	dB	40	50	-
462.5 ~ 467.5 MHz	dB	30	38	-
467.5 ~ 2000.0 MHz	dB	35	50	-
VSWR within 452.5 ~ 457.5 MHz	-	-	2.0	2.5

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

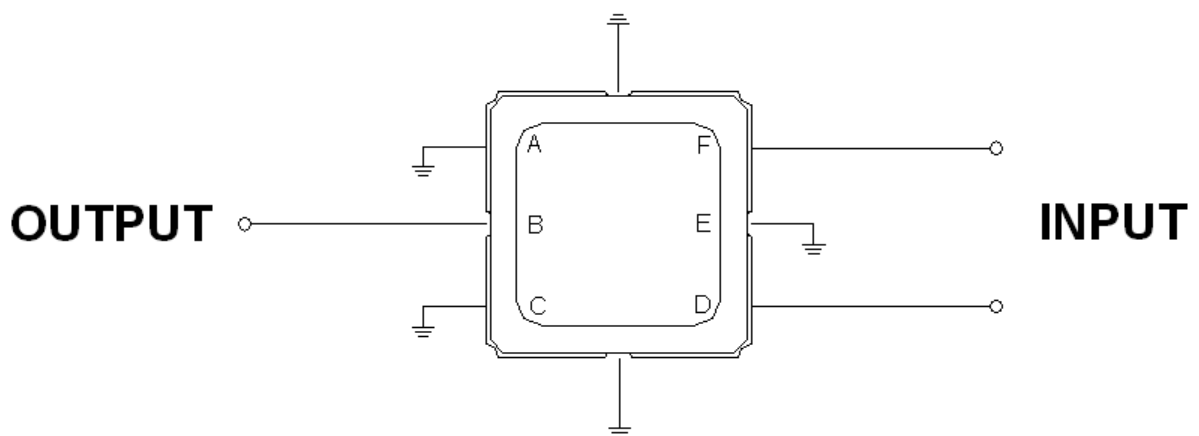
### Package Dimensions



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

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

### Testing Environment

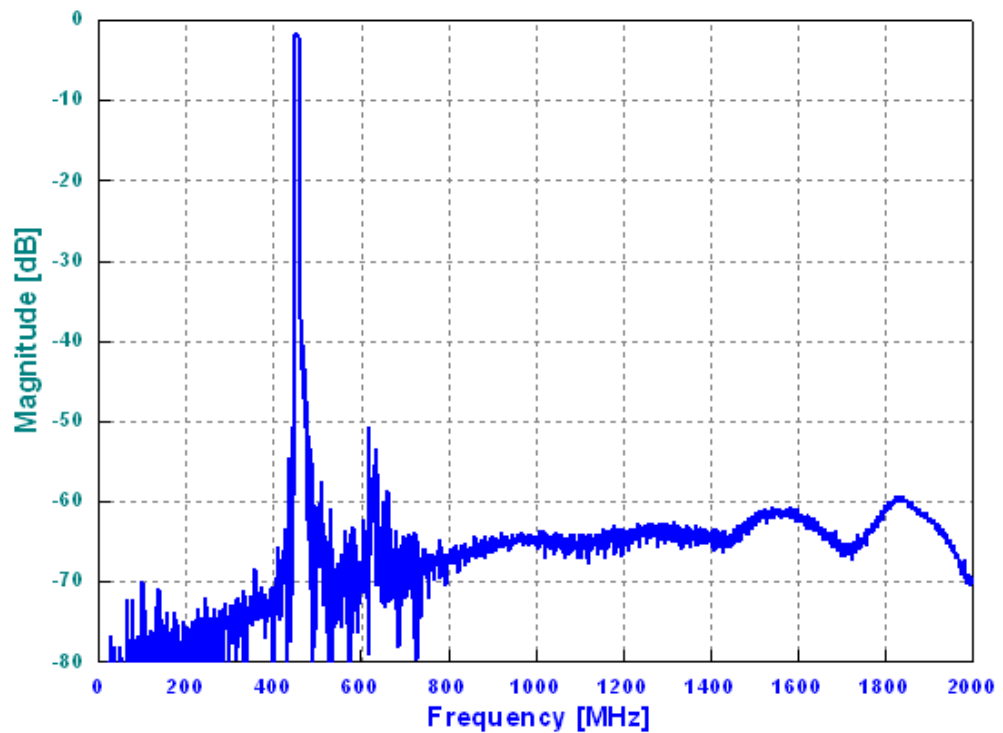
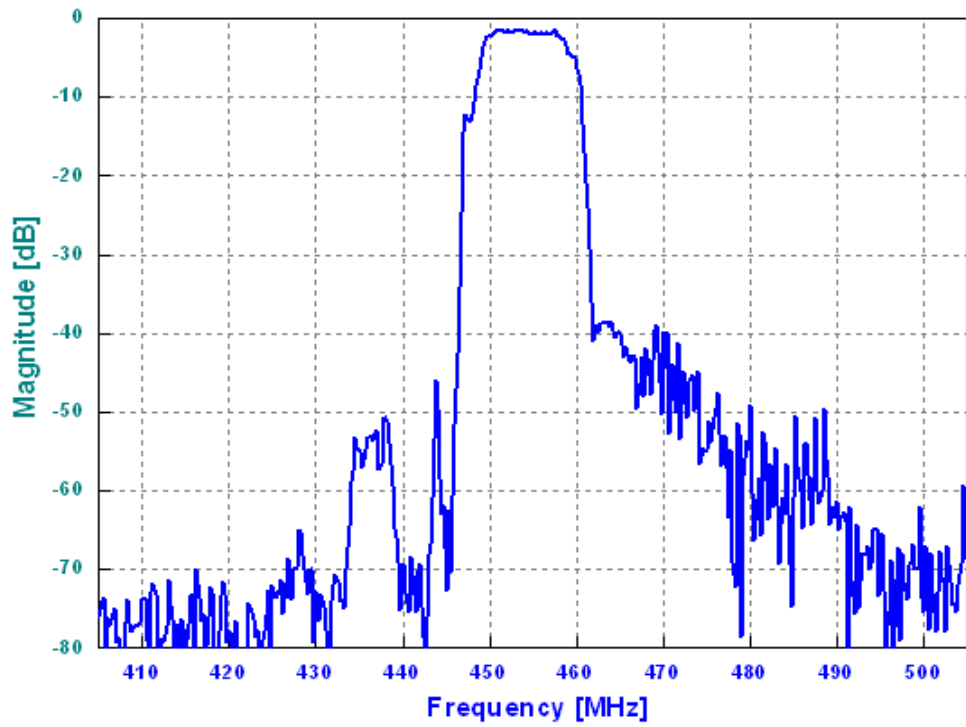


Source Impedance: 100  $\Omega$

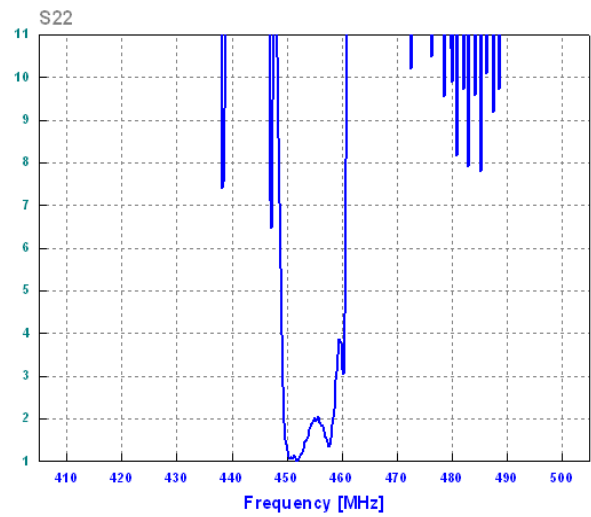
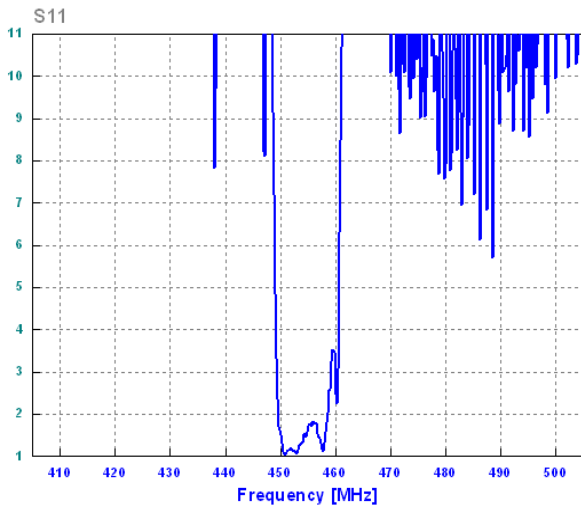
Load Impedance: 50  $\Omega$

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

