



Total Solution Provider in Saw Device

SA462EM

CDMA 450 C-Band, RF-Rx SAW Filter
Revision 0: June 2007



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

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□ Electrical Characteristics

Maximum Ratings

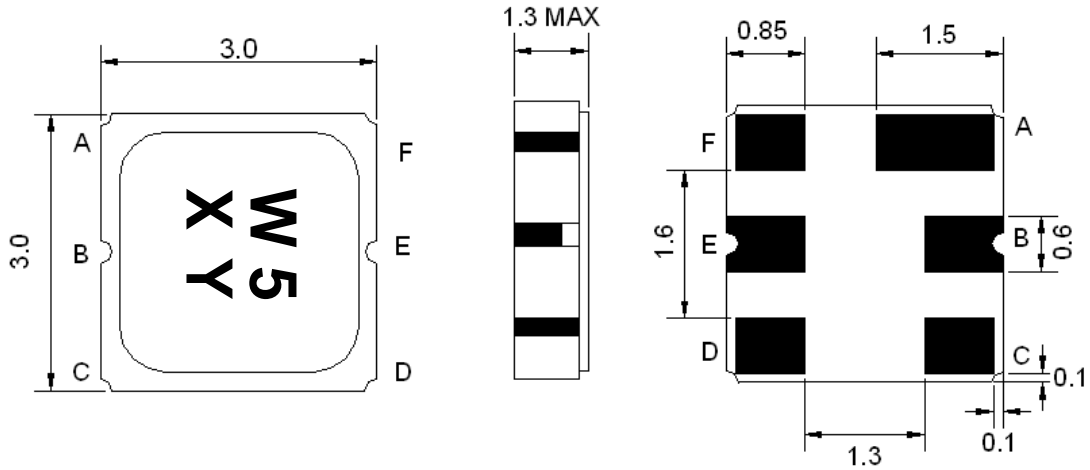
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	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	-	2.0	3.5
Stop Band Attenuation:				
0.3 ~ 450.0 MHz	dB	40	50	-
450.0 ~ 454.8 MHz	dB	40	45	-
483.0 ~ 505.0 MHz	dB	35	45	-
505.0 ~ 1000.0 MHz	dB	40	45	-
1000.0 ~ 2000.0 MHz	dB	25	35	-
VSWR within 460.0 ~ 464.8 MHz	-	-	1.6	2.0

Notes : (1) No Matching Network .

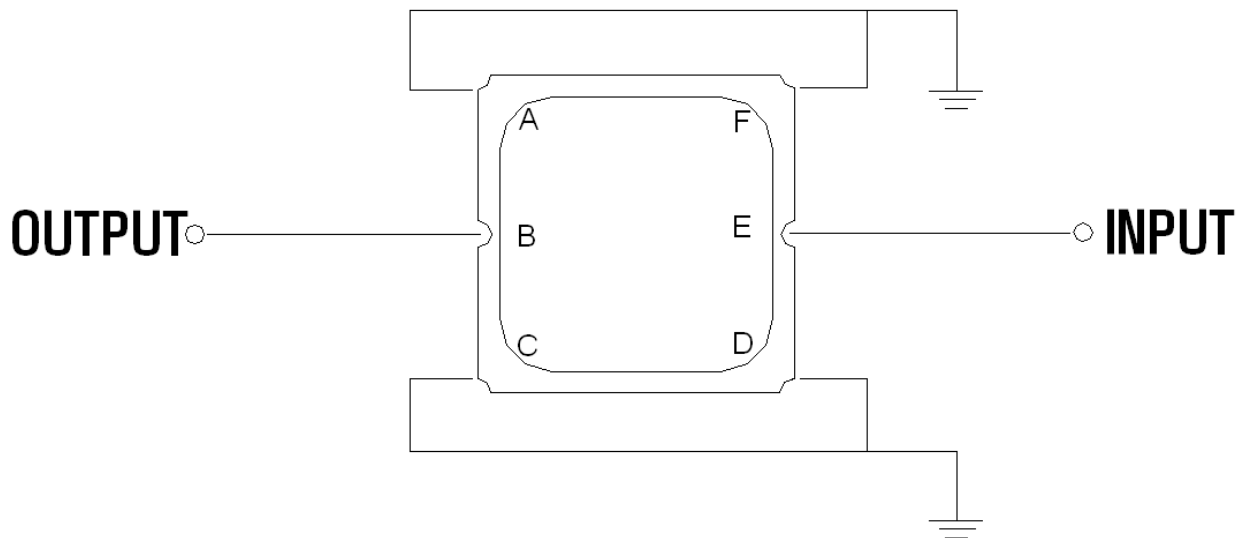
□ Package Dimensions



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

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

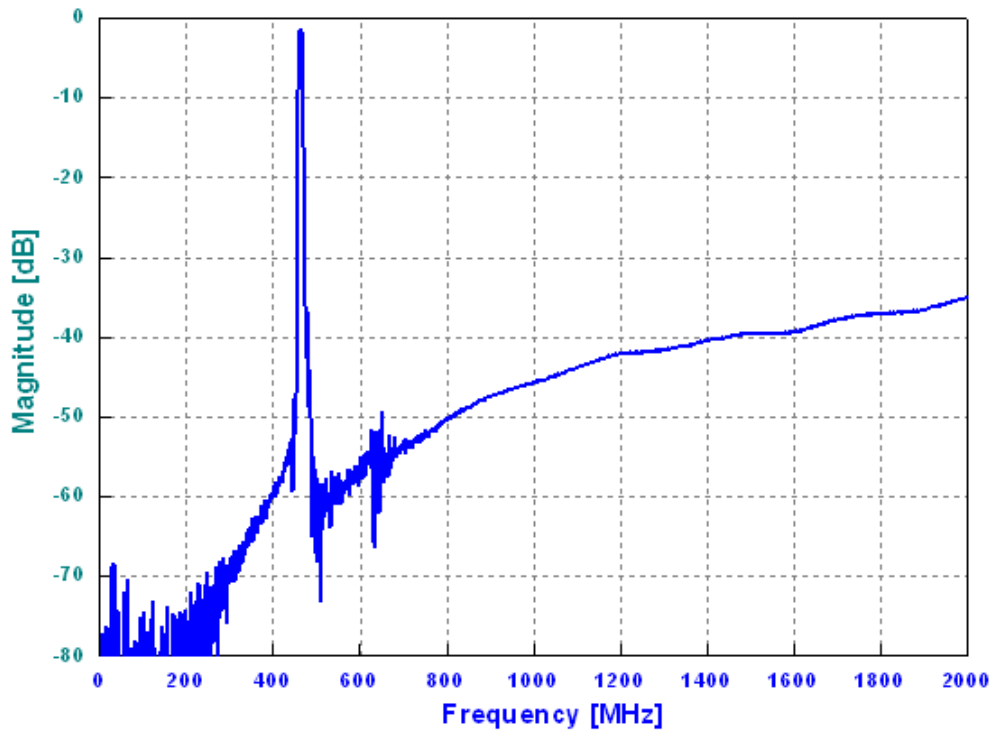
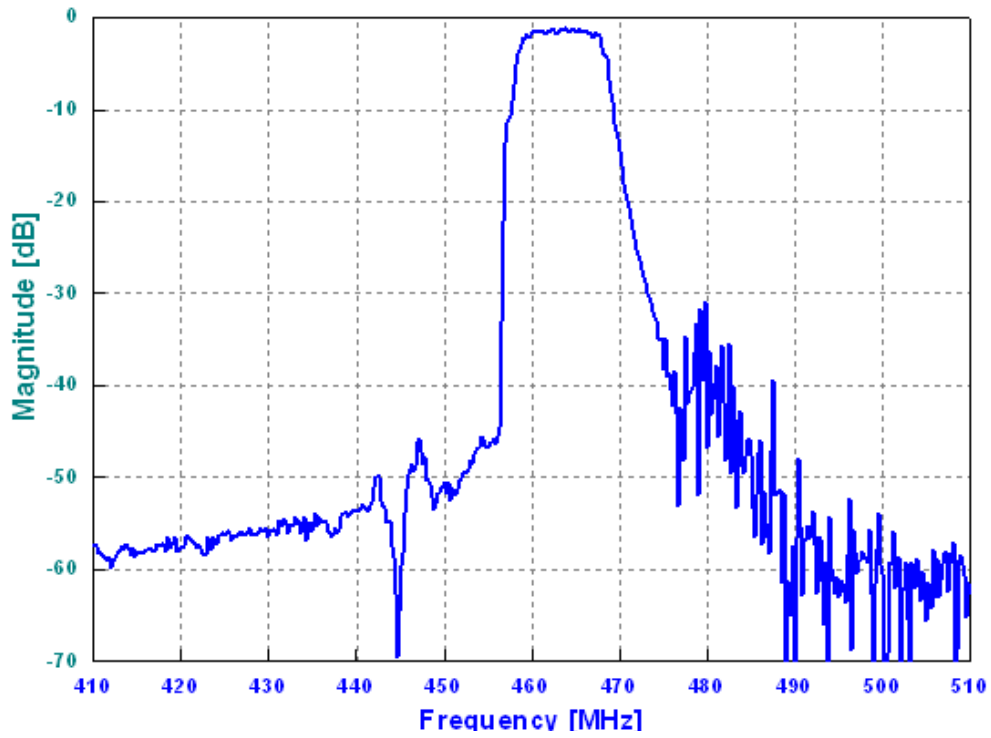
□ Testing Environment



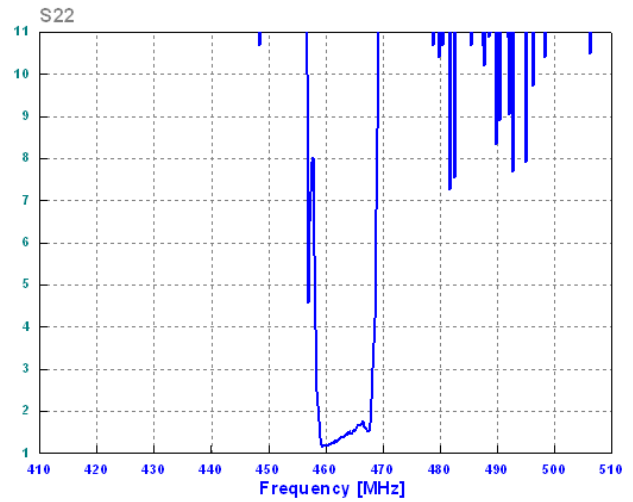
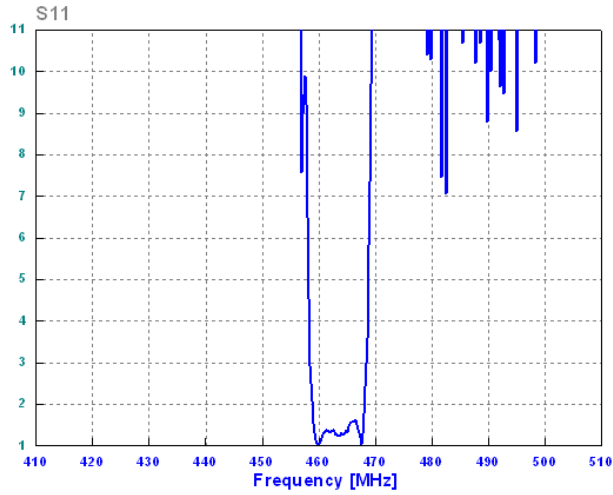
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

