



Total Solution Provider in Saw Device

SA453CP

CDMA 450, RF-Tx SAW Filter
Revision 1: February 2008



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

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□ Electrical Characteristics

Maximum Ratings

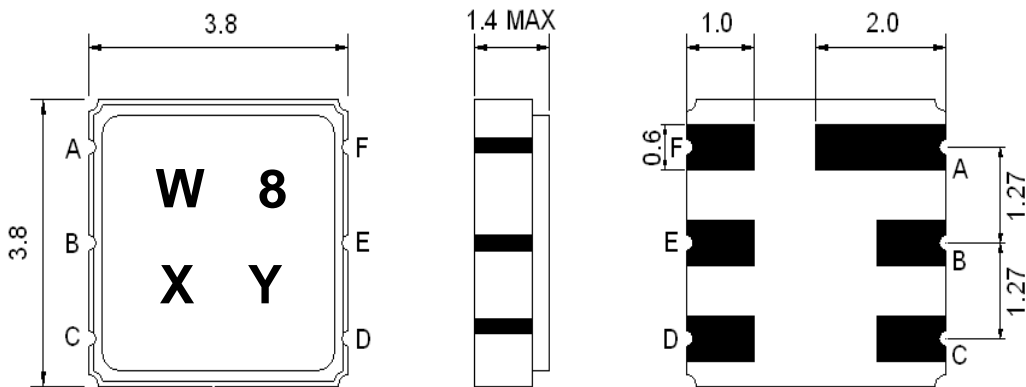
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	453.5	-
Insertion Loss within 450.0 ~457.0 MHz	dB	-	1.7	3.0
Amplitude Ripple within 450.0 ~457.0 MHz	dB _{p-p}	-	0.9	1.5
Attenuation:				
0.3 ~ 350.0 MHz	dB	30	33	-
350.0 ~ 445.0 MHz	dB	25	30	-
460.0 ~ 462.0 MHz	dB	7	20	-
462.0 ~ 467.0 MHz	dB	25	35	-
467.0 ~ 2000.0 MHz	dB	25	33	-
Return Loss within 450.0 ~457.0 MHz	dB	9	11	-

Notes : (1) No Matching Network .

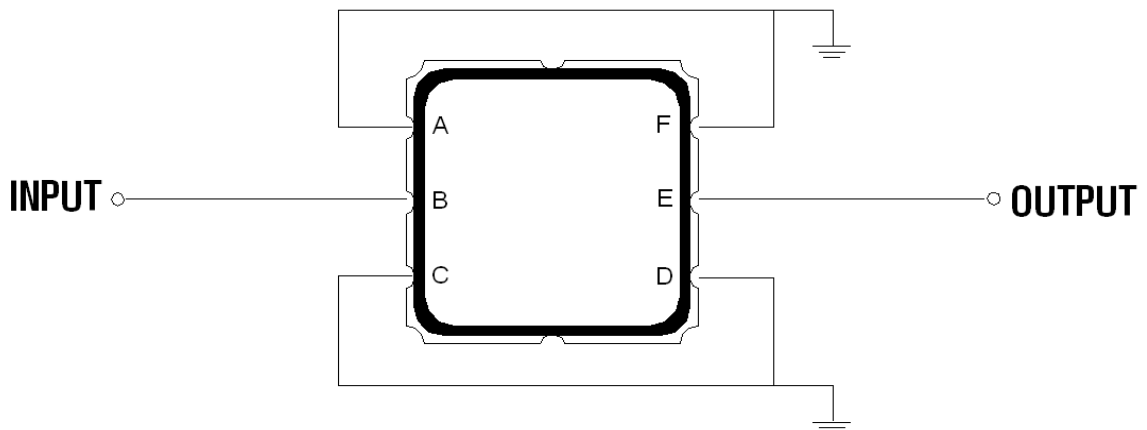
Package Dimensions



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

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

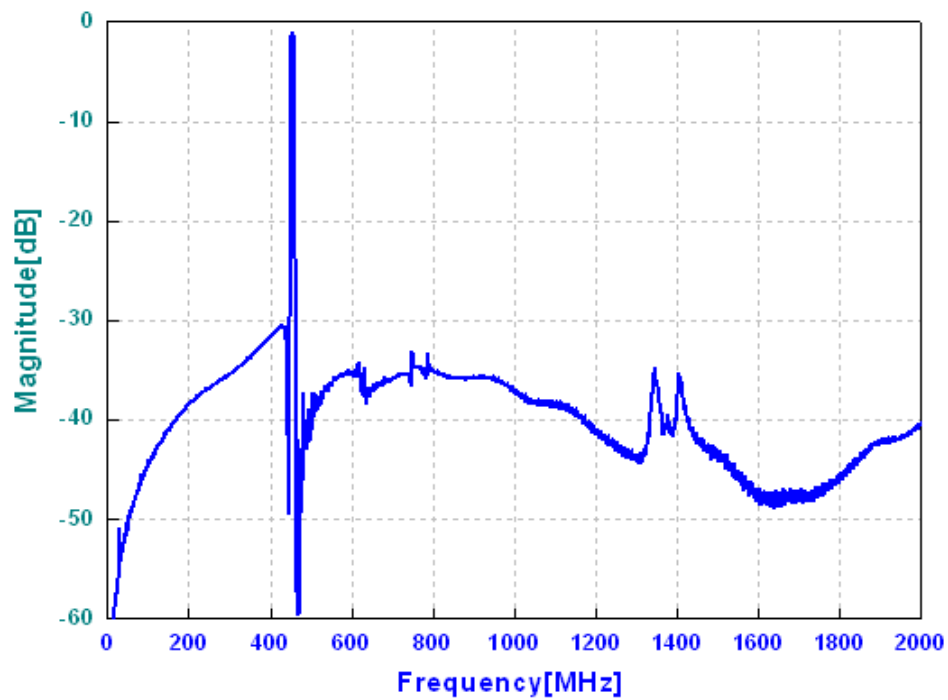
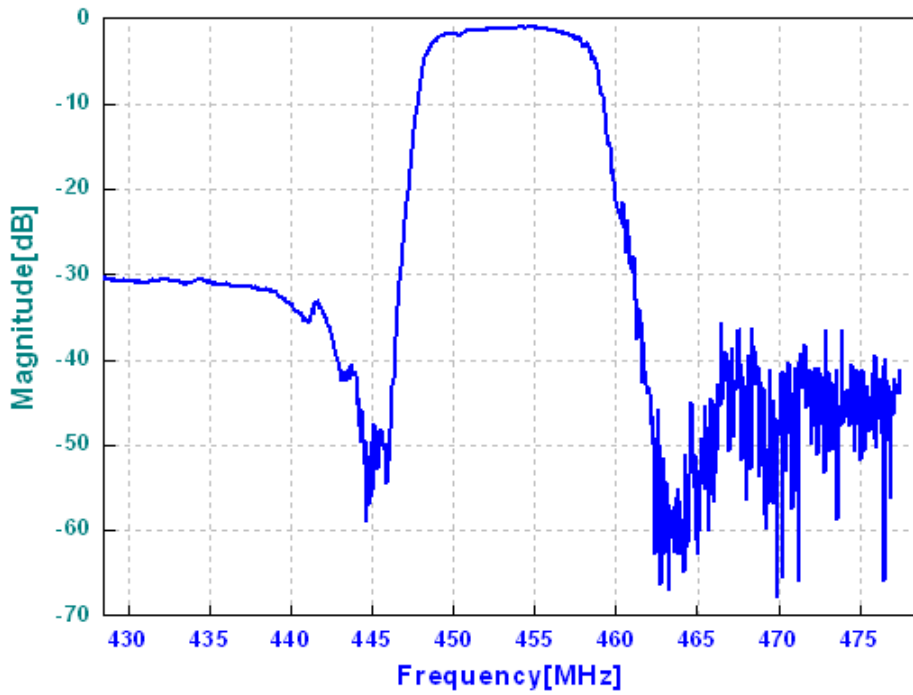
Testing Environment



Source & Load Impedance: 50 Ω

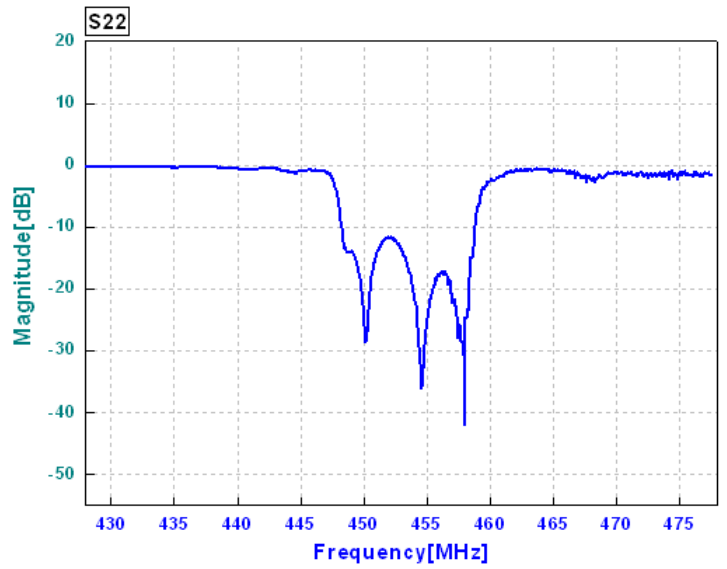
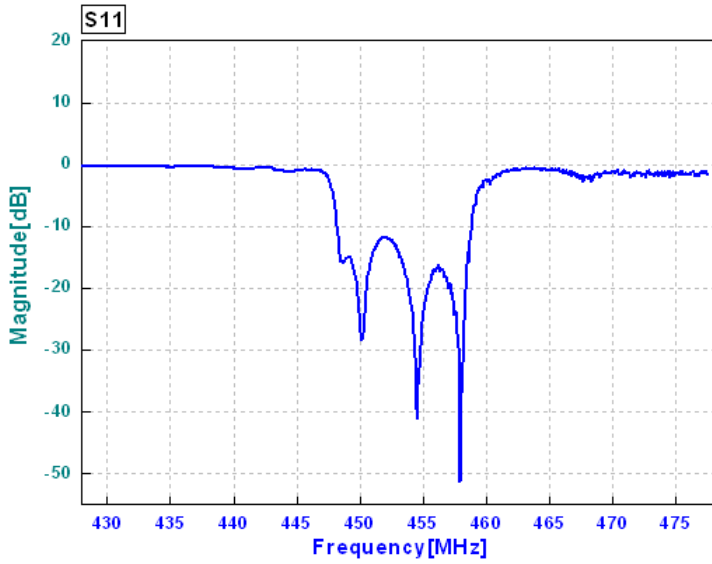
□ Frequency Characteristics

Frequency Response





Return Loss



Smith Chart

