



Total Solution Provider in Saw Device

SA491CP

CDMA450 F-Band, RF-Rx SAW Filter
Revision 0: JUNE 2008



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

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□ Electrical Characteristics

Maximum Ratings

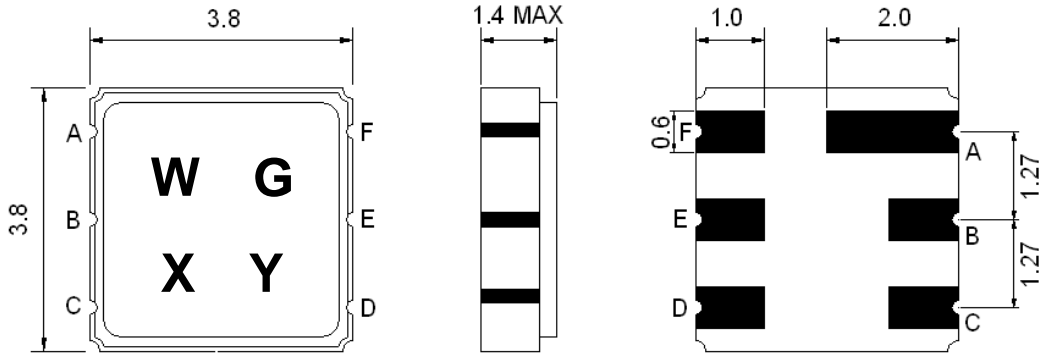
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	491.5	-
Insertion Loss in 489.0 ~ 494.0 MHz	dB	-	1.7	3.0
Attenuation:				
0.3 MHz ~ 479.0 MHz	dB	40	45	-
479.0 MHz ~ 484.0 MHz	dB	40	44	-
515.0 MHz ~ 800.0 MHz	dB	40	45	-
800.0 MHz ~ 1200.0 MHz	dB	35	40	-
1200.0 MHz ~ 2000.0 MHz	dB	20	32	-
VSWR in 489.0 ~ 494.0 MHz	-	-	1.3	2.0

Notes : (1) No Matching Network

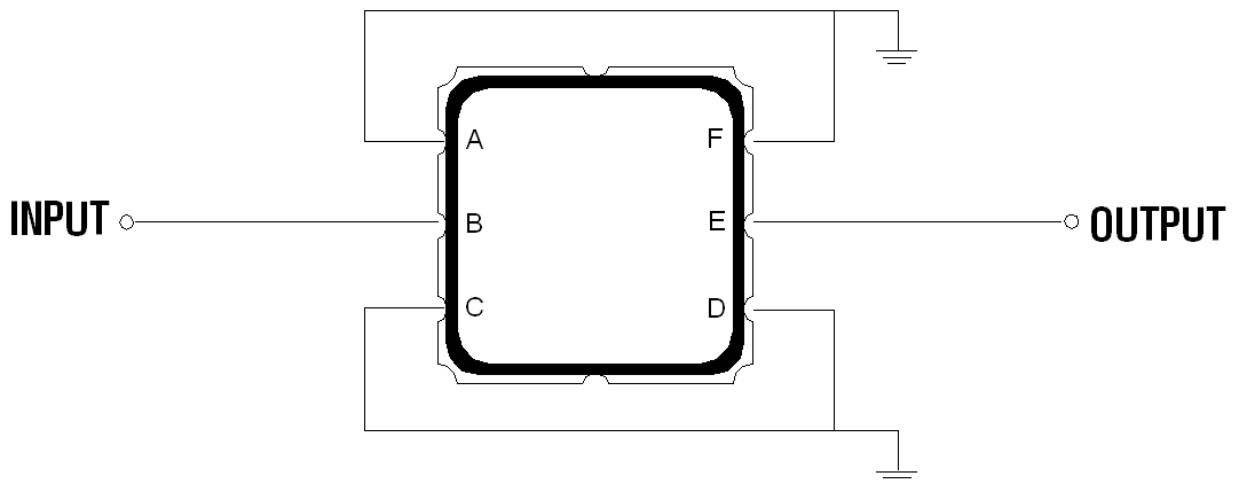
Package Dimensions



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

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

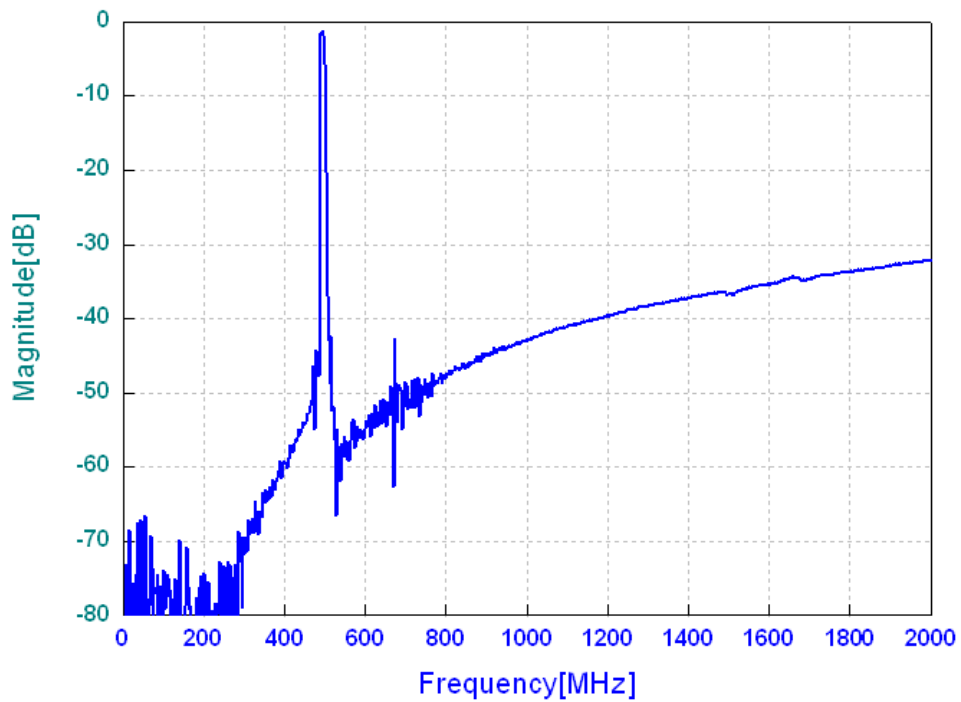
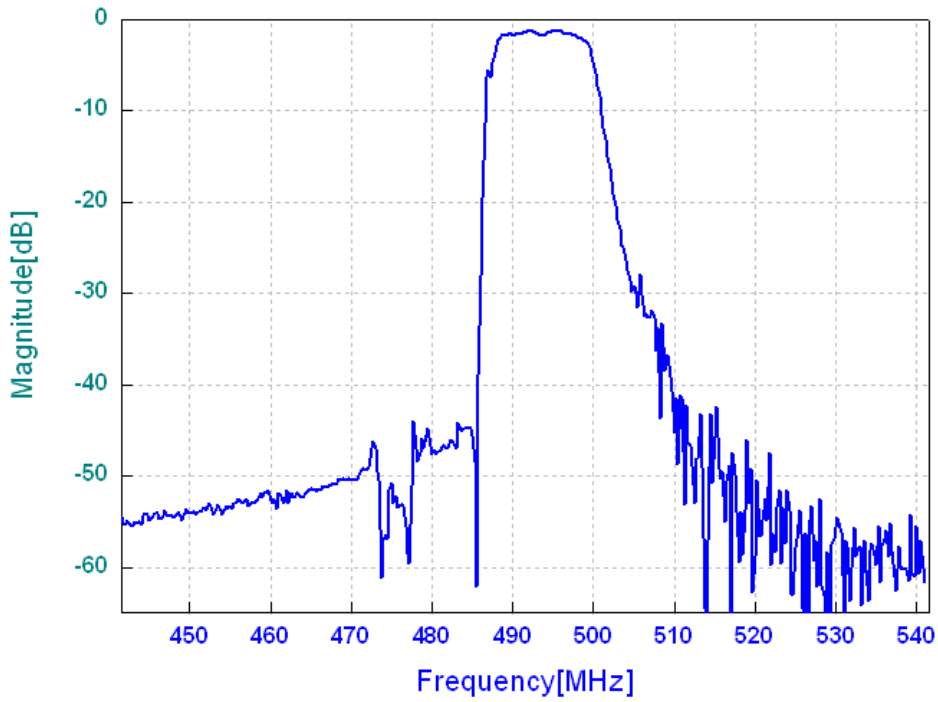
Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

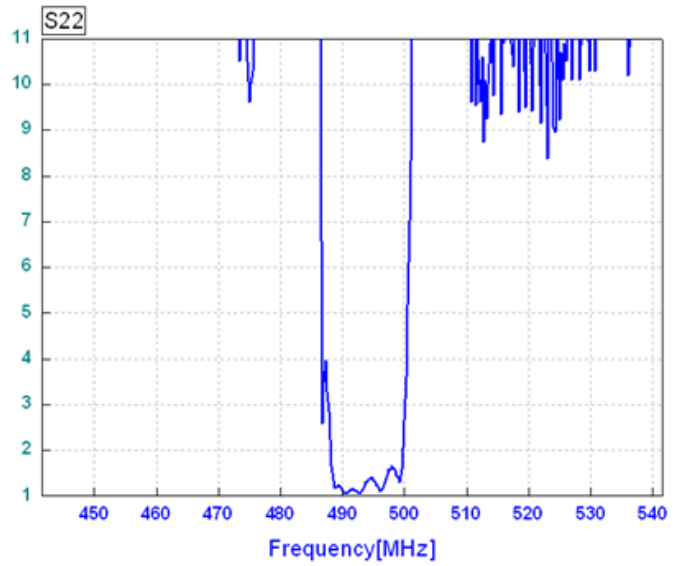
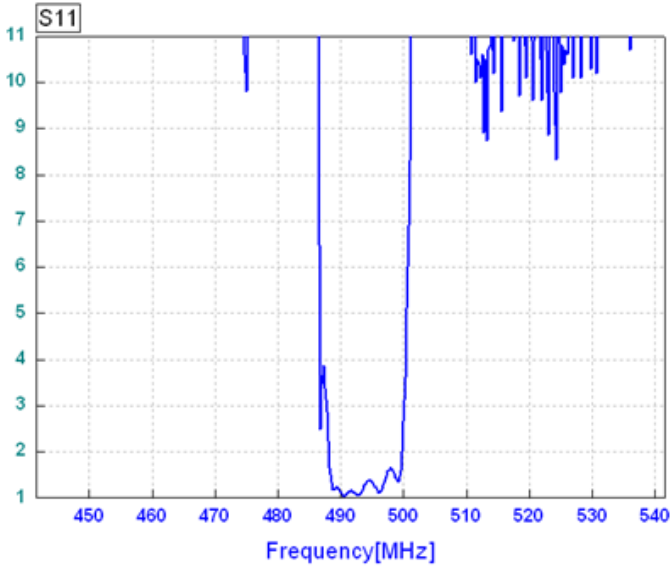
Frequency Response



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VSWR



Smith Chart

