



Total Solution Provider in Saw Device

SA412CP

CDMA 450 L-Band,RF-Tx SAW Filter
Revision 0: June 2008



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

SAWNICS Inc.

460 Cheonheung-ri, Seonggeo-eup, Cheonan-si, Chungcheongnam-do, 330-836 / Korea.
Tel: +82 41 550 9372 / Fax: +82 41 550 9399 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

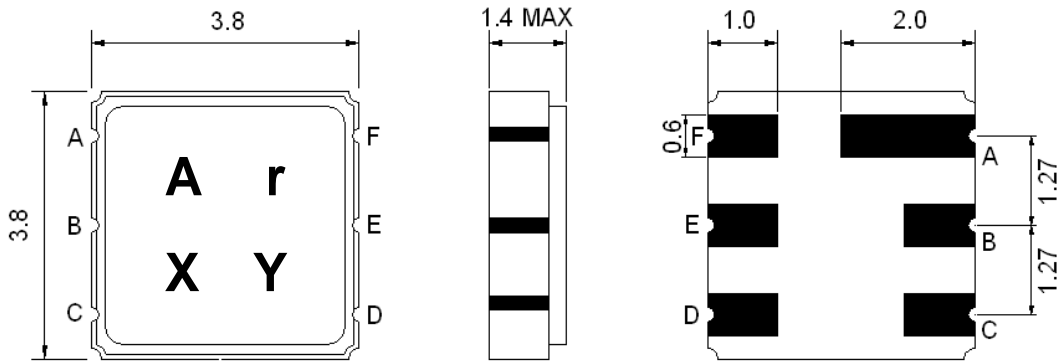
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	412.5	-
Insertion Loss in 410.0 ~415.0 MHz	dB	-	1.6	2.8
Stop Band Attenuation:				
0.3 ~ 400.0 MHz	dB	23	26	-
420.0 ~ 425.0 MHz	dB	30	40	-
425.0 ~ 1700.0 MHz	dB	20	25	-
1700.0 ~ 2000.0 MHz	dB	20	32	-
VSWR in 410.0 ~ 415.0 MHz	-	-	1.8	2.3

Notes : (1) No Matching Network .

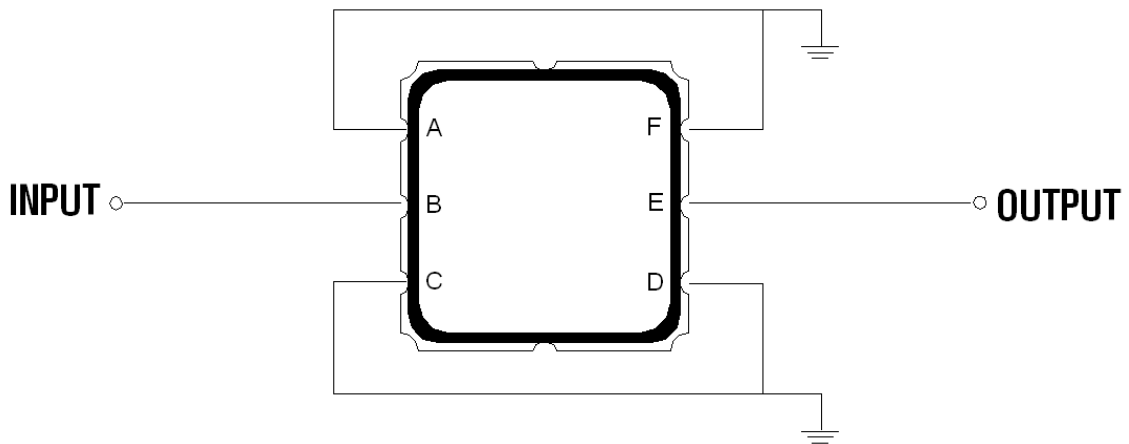
Package Dimensions



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

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

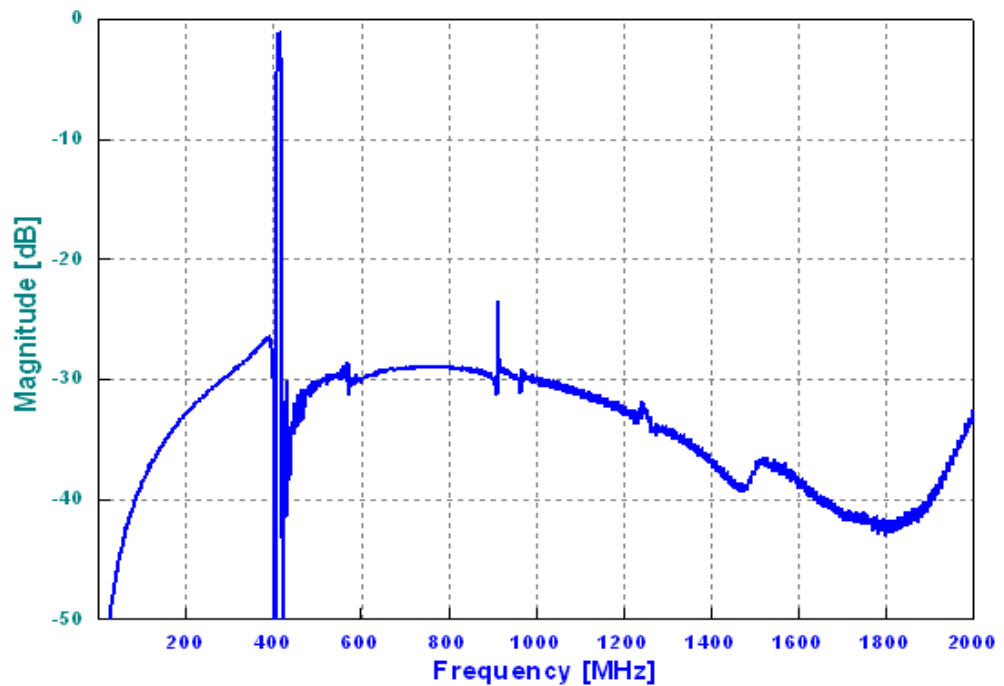
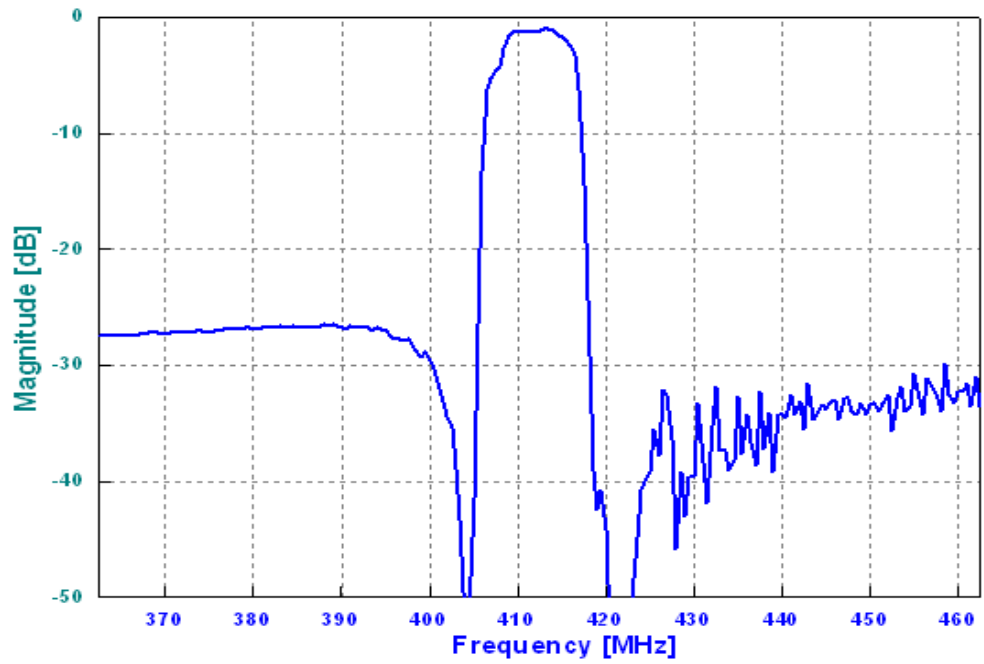
Testing Environment



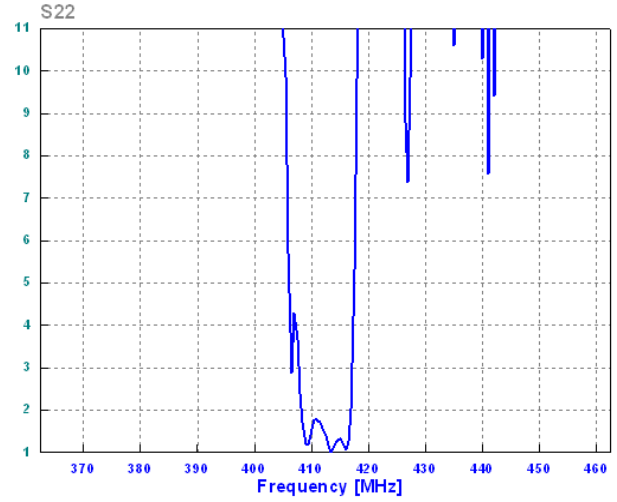
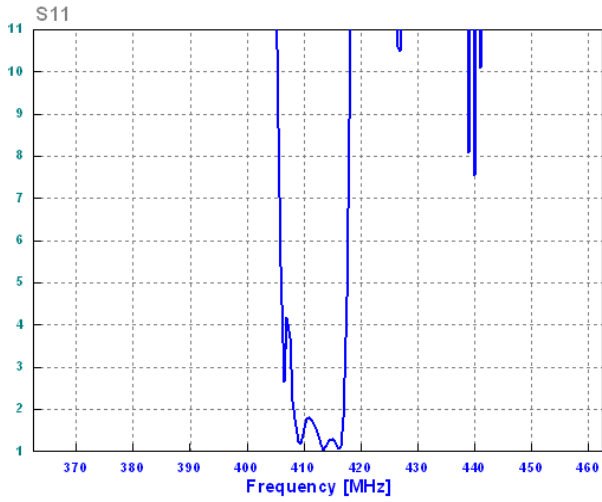
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

