



Total Solution Provider in Saw Device

SA457AM

CDMA 450 G-Band, RF-Tx SAW Filter
Revision 0: December 2005



- 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

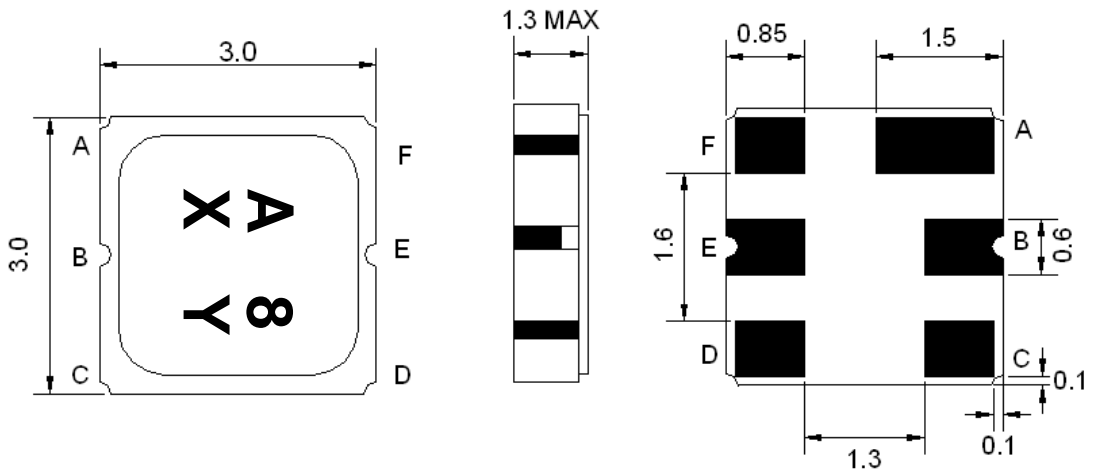
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	30
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	457.6	-
Insertion Loss within 455.2 ~ 460.0 MHz	dB	-	1.9	2.8
Attenuation:				
0.3 ~ 445.0 MHz	dB	25	28	-
465.2 ~ 470.0 MHz	dB	30	48	-
470.0 ~ 1700.0 MHz	dB	23	27	-
1700.0 ~ 2000.0 MHz	dB	15	22	-
VSWR within 455.2 ~ 460.0 MHz	-	-	1.3	2.0

Notes : (1) No Matching Network

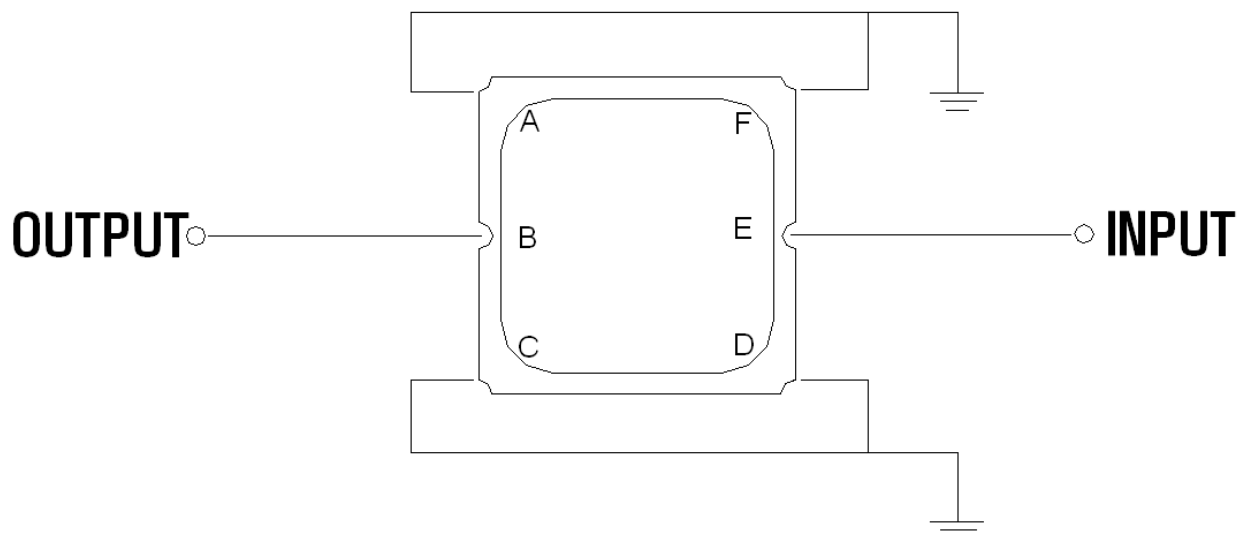
Package Dimensions



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

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

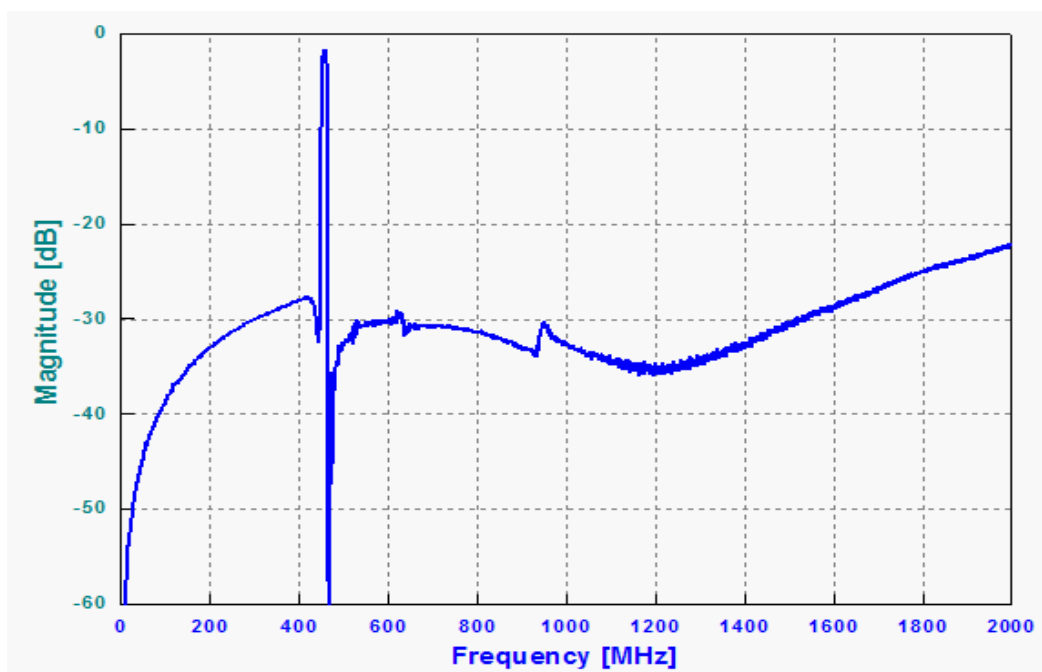
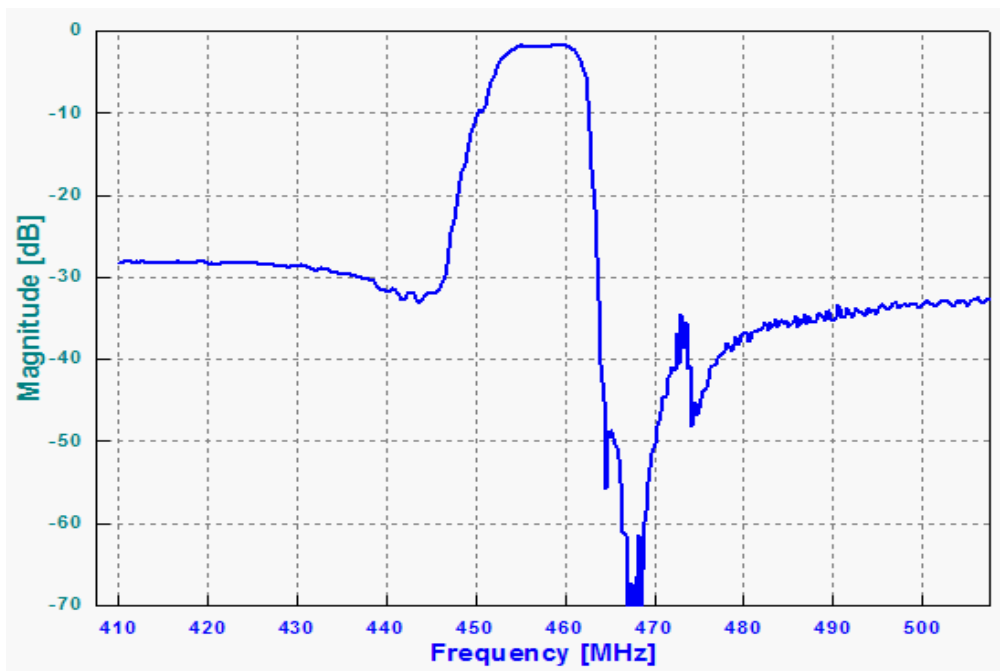
Testing Environment



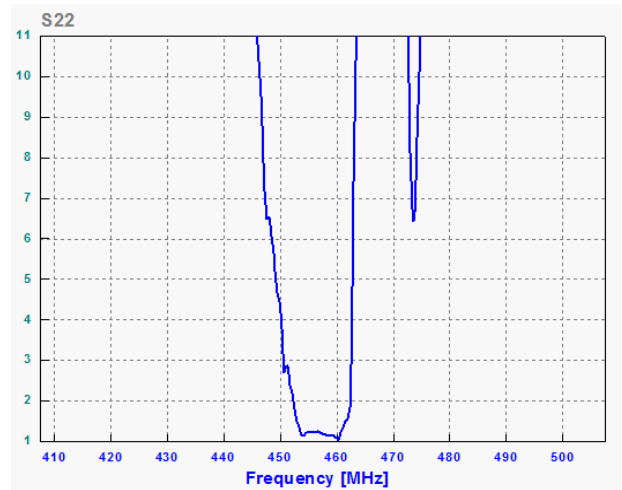
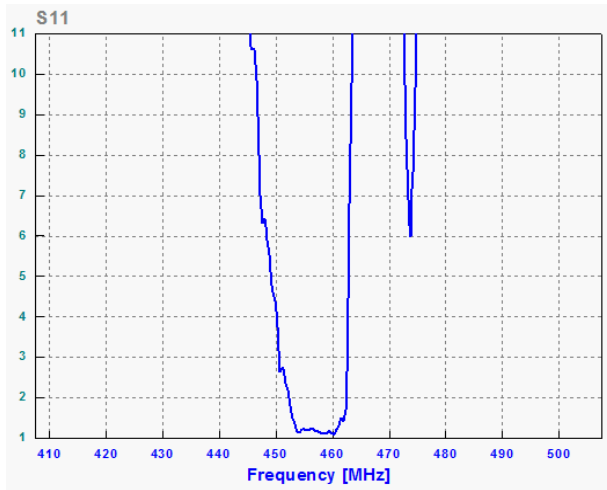
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

