



Total Solution Provider in Saw Device

SA460HP

Wireless, RF SAW Filter
Revision 0: December 2011



- 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

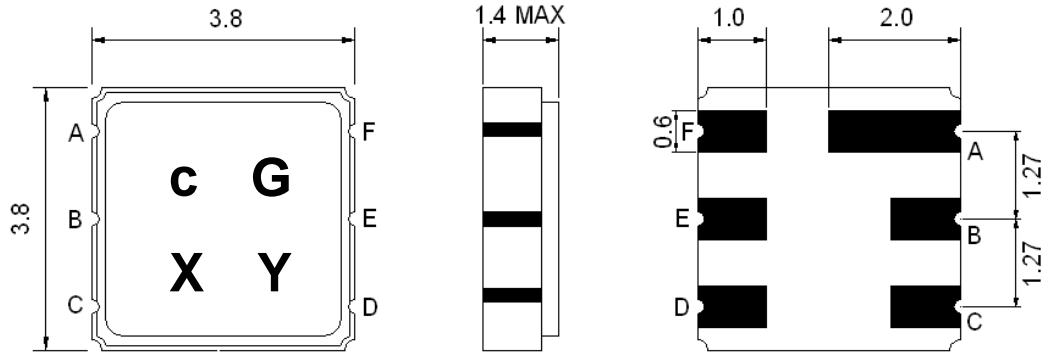
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	460.0	-
Insertion Loss within 450.0 ~ 470.0 MHz	dB	-	2.4	3.5
Amplitude Ripple within 450.0 ~ 470.0 MHz	dB	-	0.9	2.4
Return loss within 450.0 ~ 470.0 MHz	dB	8	10	-
Attenuation (Reference level from 0dB)				
0.3 ~ 300.0 MHz	dB	40	45	-
300.0 ~ 380.0 MHz	dB	40	45	-
380.0 ~ 430.0 MHz	dB	35	40	-
504.825 ~ 524.825 MHz	dB	25	35	-
559.65 ~ 579.65 MHz	dB	40	45	-
669.3 ~ 689.3 MHz	dB	45	50	-
689.3 ~ 1000.0 MHz	dB	30	35	-

Notes : (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

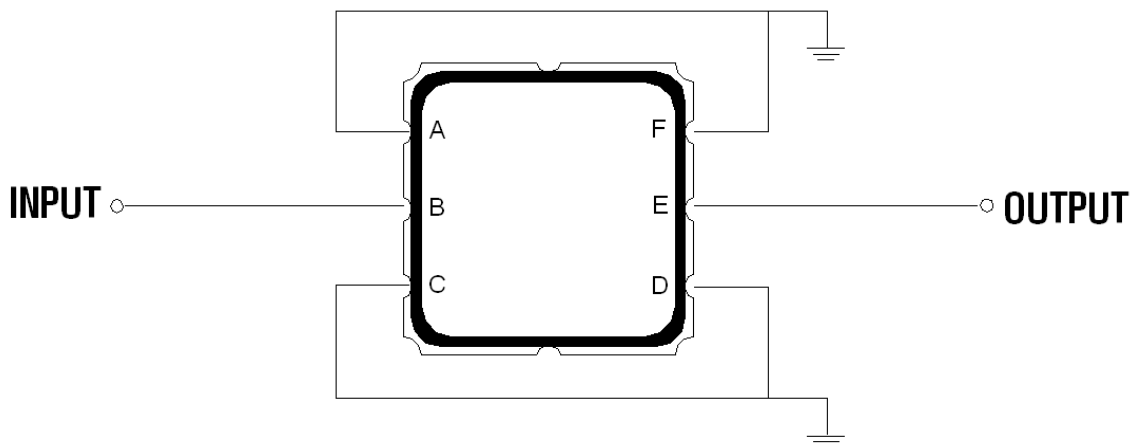
Package Dimensions



Marking Descriptions	
c	Wireless Application
G	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
B	Input
E	Output

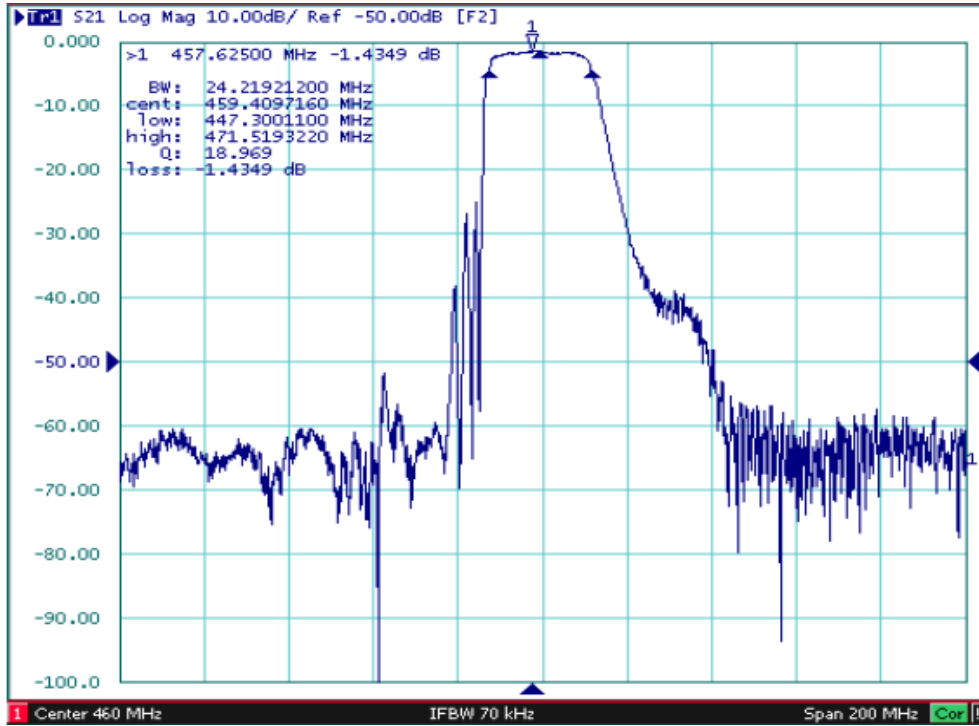
Testing Environment



Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



Smith Chart

