



Total Solution Provider in Saw Device

SA425CP

Wireless, RF SAW Filter
Revision 0:



- 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

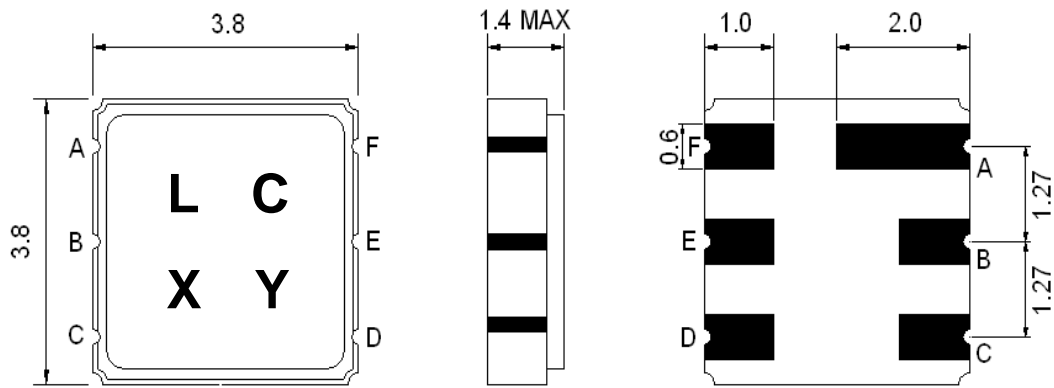
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	425.0	-
Insertion Loss within 420.0 ~ 430.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 420.0 ~ 430.0 MHz	dB _{p-p}	-	0.6	1.5
Attenuation:				
Fo-47.8 ~ Fo-37.8 MHz	dB	55	59	-
Fo+37.8 ~ Fo+47.8 MHz	dB	40	43	-
VSWR within 420.0 ~ 430.0 MHz	-	-	1.8	2.5

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

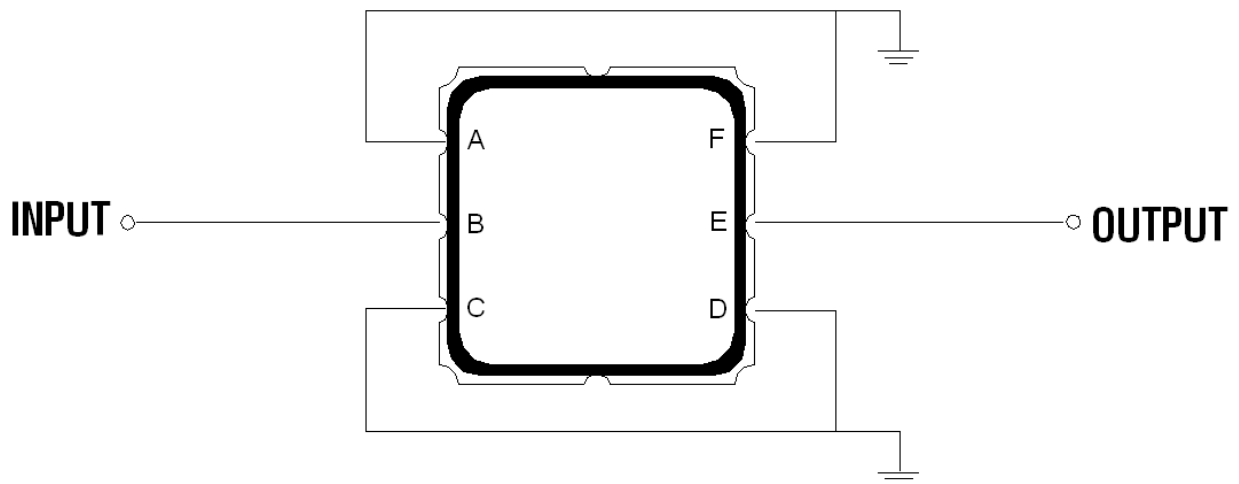
Package Dimensions



Marking Descriptions	
L	Wireless Application
C	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

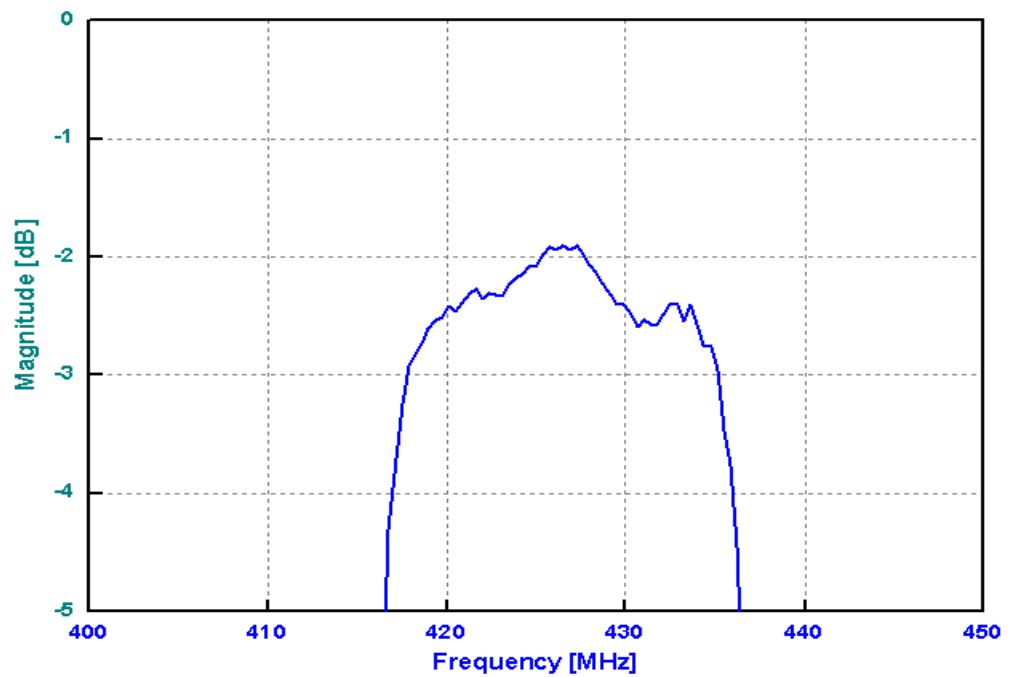
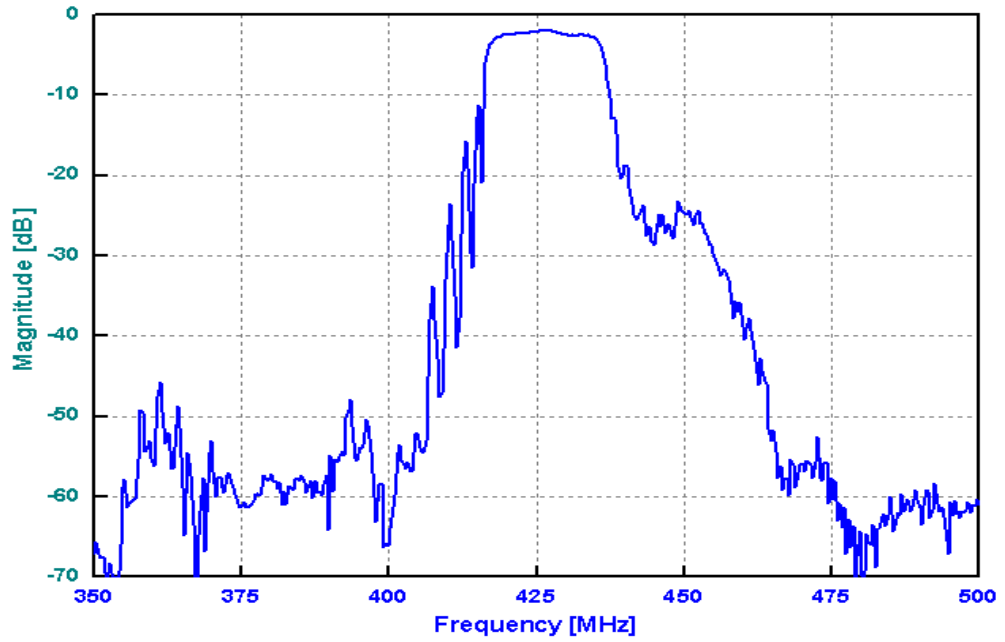
Testing Environment



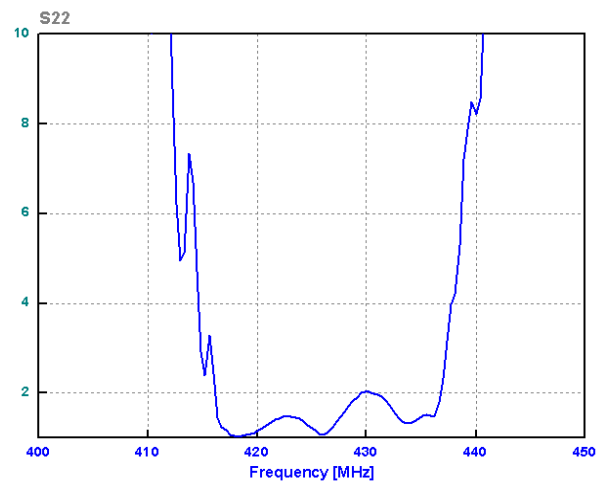
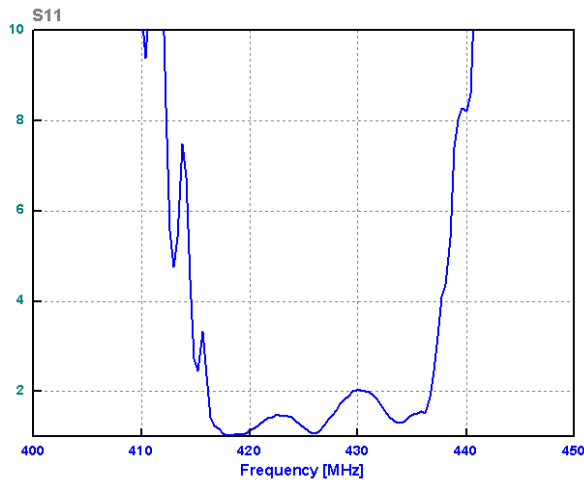
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

