



Total Solution Provider in Saw Device

SF-260506-S20

Band41, RF SAW Filter
Revision 0: June 2014



- 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

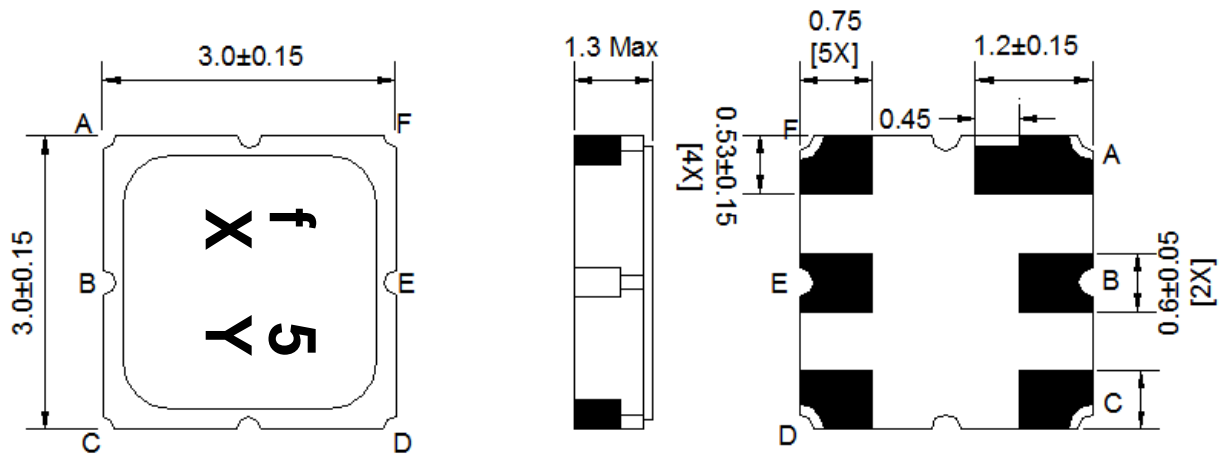
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S20			
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	-	2605.0	-
Insertion Loss within 2575.0 ~ 2635.0 MHz	dB	-	1.6	3.0
Amplitude Ripple within 2575.0 ~ 2635.0 MHz	dB _{p-p}	-	0.7	1.5
Absolute Delay within 2575.0 ~ 2635.0 MHz	nsec	-	8.0	20
Group Delay Ripple within 2575.0 ~ 2635.0 MHz	nsec	-	6.0	20
Attenuation:				
D.C. ~ 800.0 MHz	dB	25	32	-
800.0 ~ 2200.0 MHz	dB	25	29	-
2200.0 ~ 2300.0 MHz	dB	30	38	-
2300.0 ~ 2400.0 MHz	dB	35	43	-
2400.0 ~ 2500.0 MHz	dB	30	36	-
2500.0 ~ 2535.0 MHz	dB	5	11	-
2535.0 ~ 2570.0 MHz	dB	1	2	-
2640.0 ~ 2675.0 MHz	dB	1	2	-
2675.0 ~ 2700.0 MHz	dB	20	38	-
2700.0 ~ 3500.0 MHz	dB	30	37	-
VSWR within 2575.0 ~ 2635.0 MHz	-	-	1.5	2.0

Notes : (1) No Matching Network .

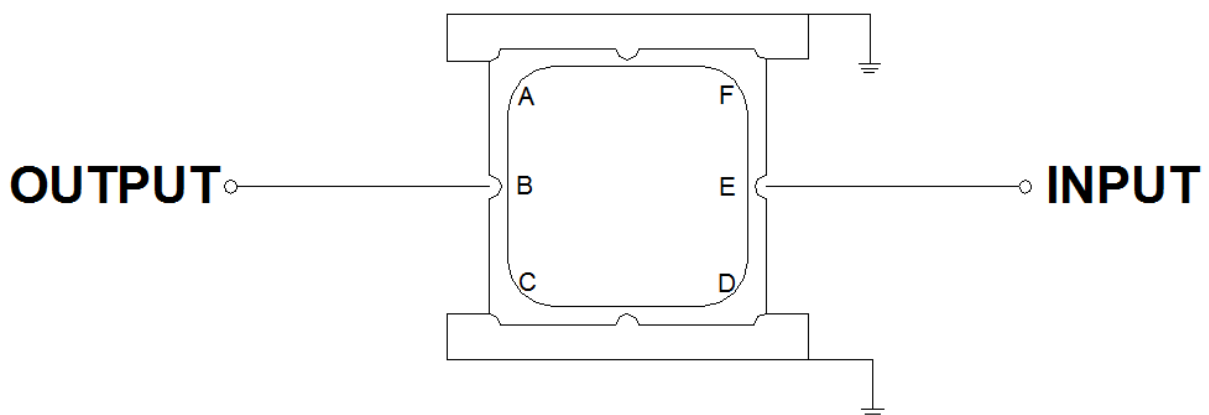
□ Package Dimensions



Marking Descriptions	
f	Band41, Application
5	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

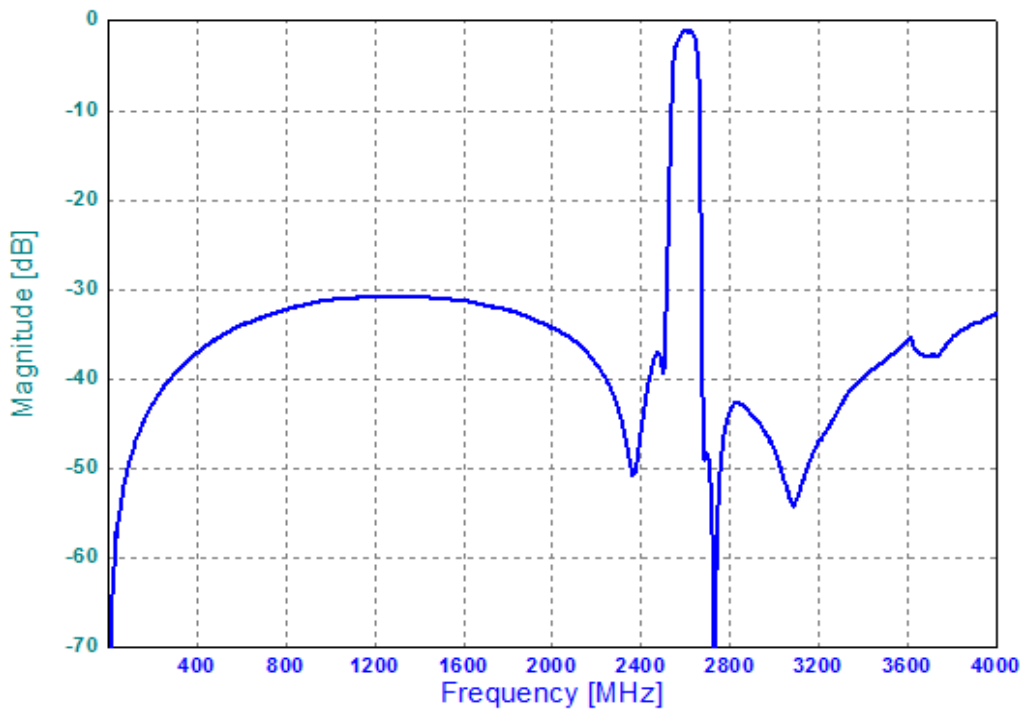
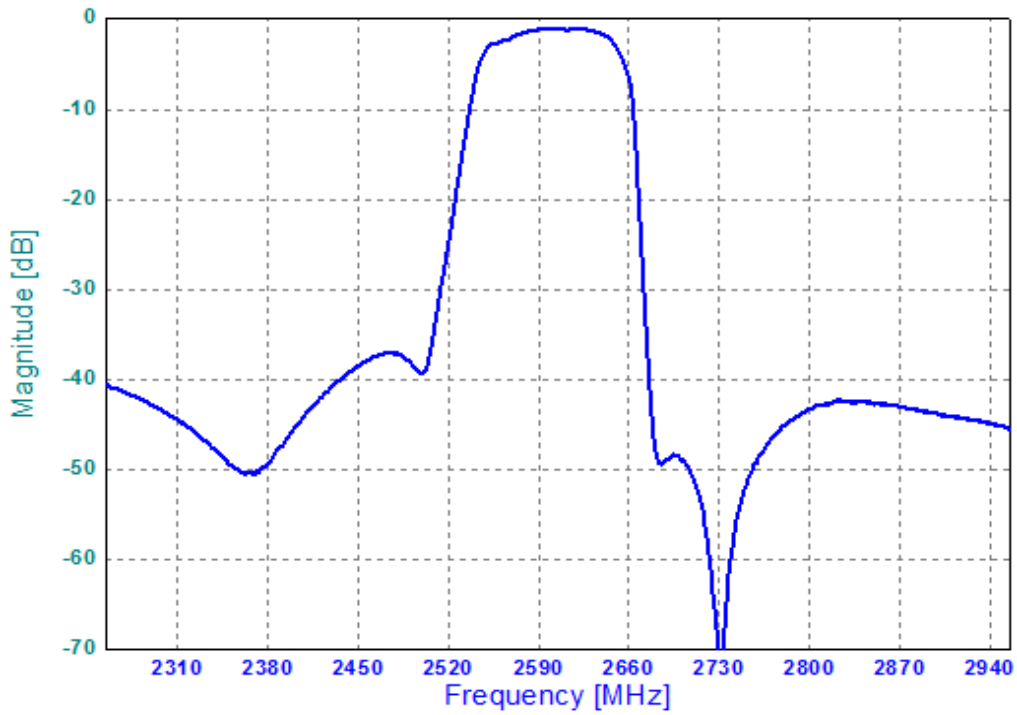
□ Testing Environment



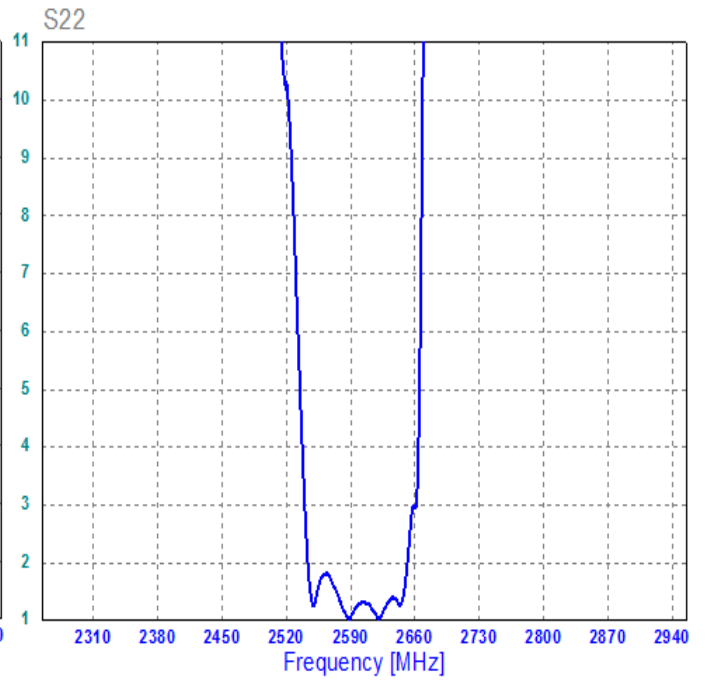
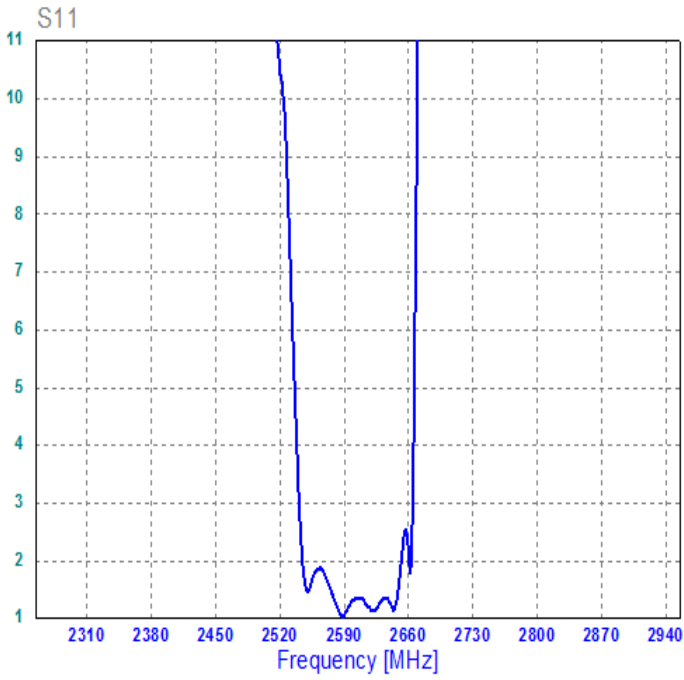
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

