



*Total Solution Provider in Saw Device*

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# SF-0707T2-C13

Band 12, RF-Tx SAW Filter  
Revision 1: February 2016



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

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## □ Electrical Characteristics

### Maximum Ratings

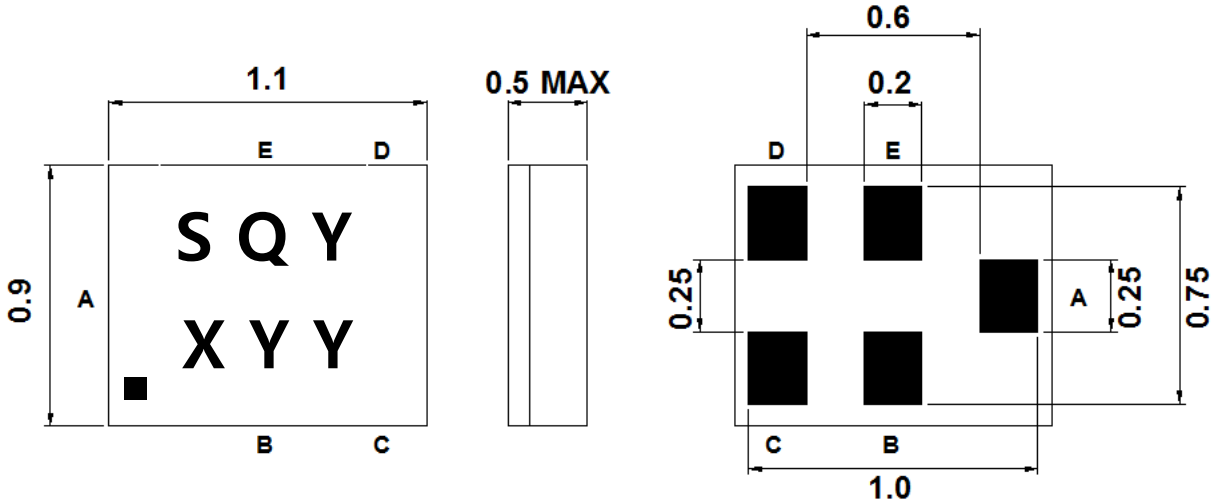
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	15
Source Impedance (Unbalanced) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (Unbalanced) <sup>(1)</sup>	Ω	-	50	-
Package type & size	C13			
Length x Width	mm <sup>2</sup>	-	1.1 x 0.9	-
Height	mm	-	-	0.5

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	707.5	-
Insertion Loss within 699.0 ~ 716.0 MHz	dB	-	1.6	2.2
Amplitude Ripple within 699.0 ~ 716.0 MHz	dB <sub>p-p</sub>	-	0.6	1.4
VSWR within 699.0 ~ 716.0 MHz	-	-	1.7	2.0
<b>Attenuation:</b>				
1.0 ~ 692.0 MHz	dB	20	37	-
722.5 ~ 729.0 MHz	dB	-	4	-
729.0 ~ 746.0 MHz	dB	15	23	-
729.0 ~ 756.0 MHz @+25°C	dB	20	23	-
729.0 ~ 756.0 MHz	dB	15	23	-
1386.0 ~ 1442.0 MHz	dB	40	47	-
1574.42 ~ 1576.42 MHz	dB	38	46	-
2084.0 ~ 2158.0 MHz	dB	30	42	-
2782.0 ~ 2874.0 MHz	dB	25	39	-

**Notes :** (1) No Matching Network .

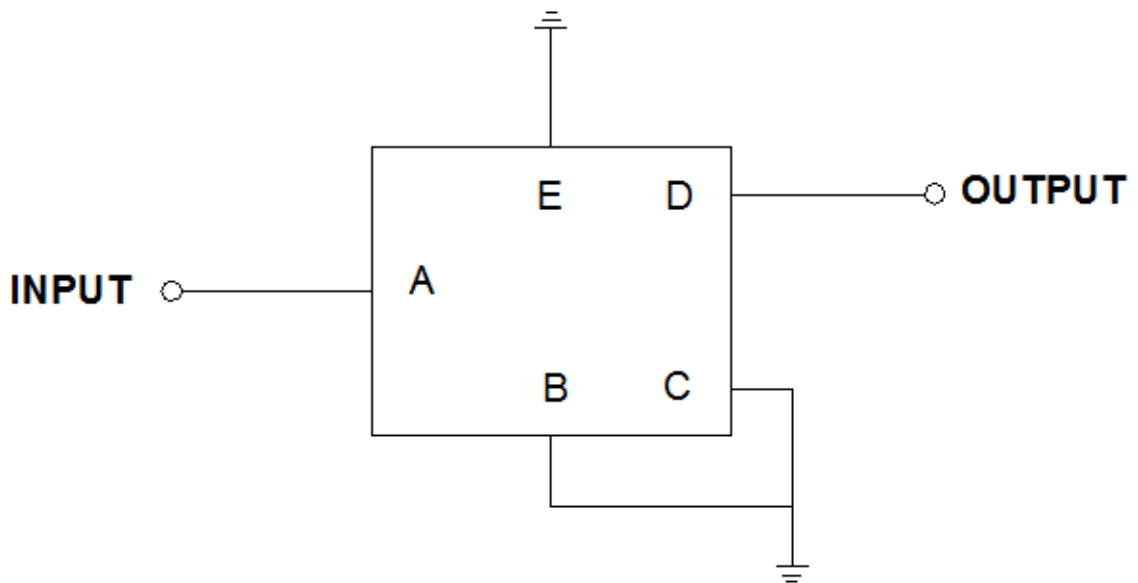
**Package Dimensions**



Marking Descriptions	
S	SAWNICS
QY	Series Number
X	Date Code(Year+Month)
YY	Lot No

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

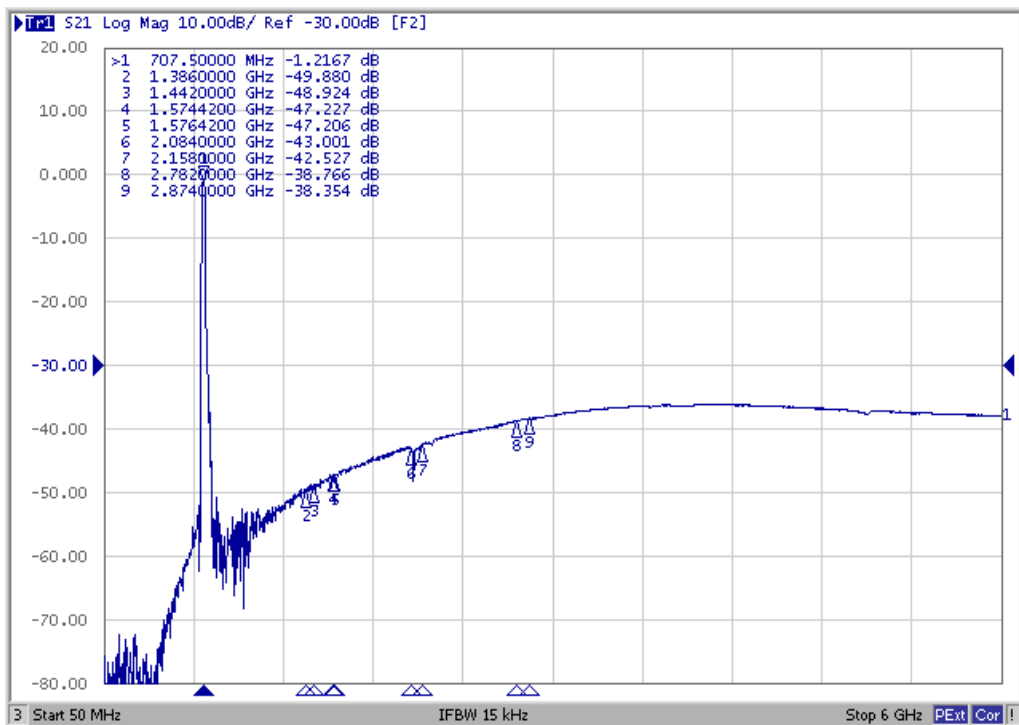
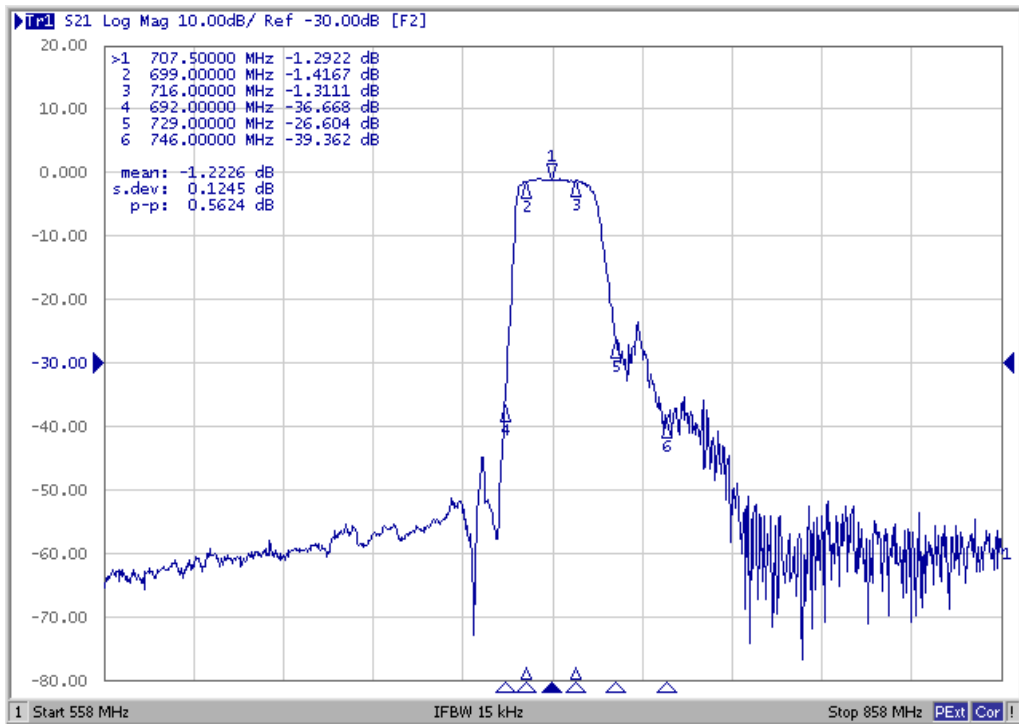
**Testing Environment**



Source & Load Impedance: 50 Ω

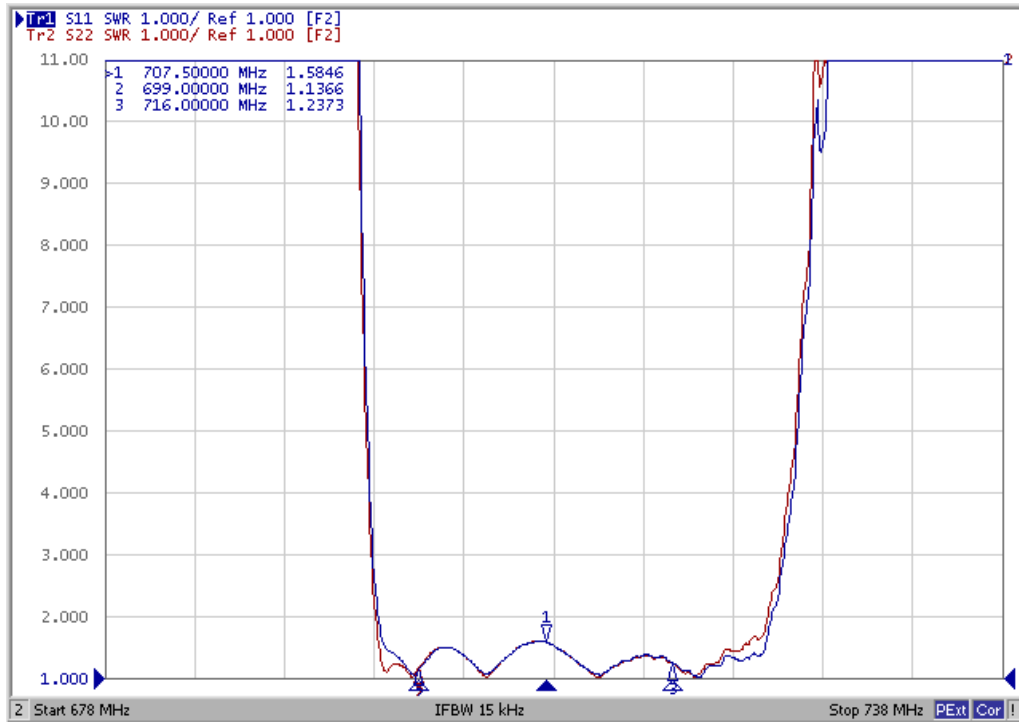
**Frequency Characteristics**

**Frequency Response**

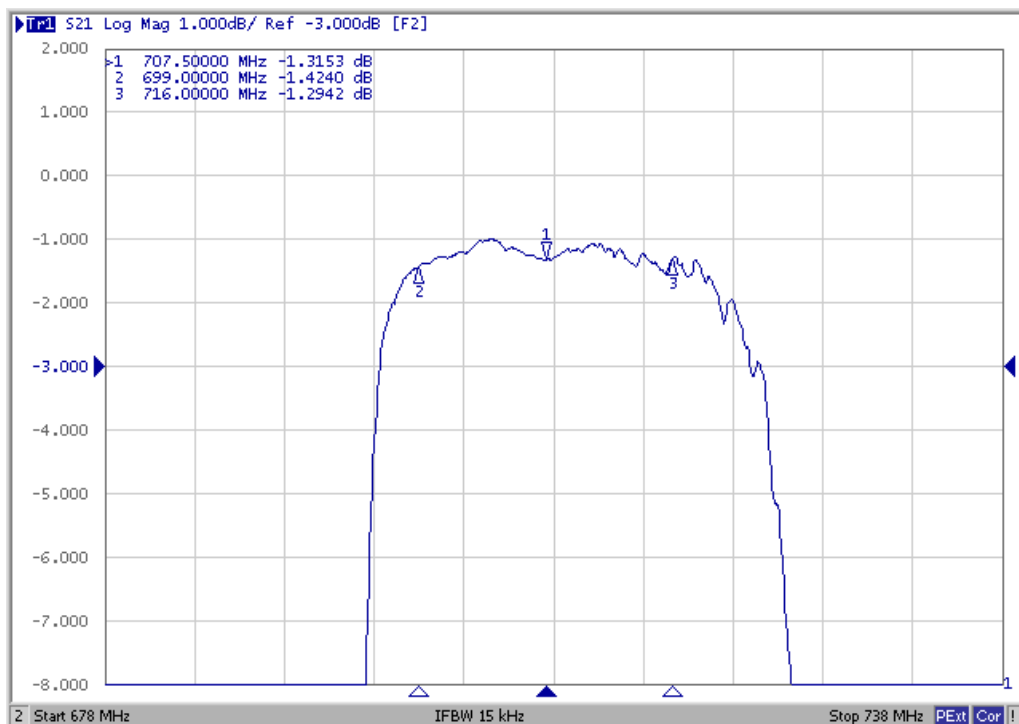




### VSWR



### Ripple



### Smith Chart

