



*Total Solution Provider in Saw Device*

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# SF-1740T1-C26

Band 4(AWS), RF-Tx SAW Filter  
Revision 0: August 2013



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

**SAWNICS Inc.**

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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](http://www.sawnics.com)

## □ Electrical Characteristics

### Maximum Ratings

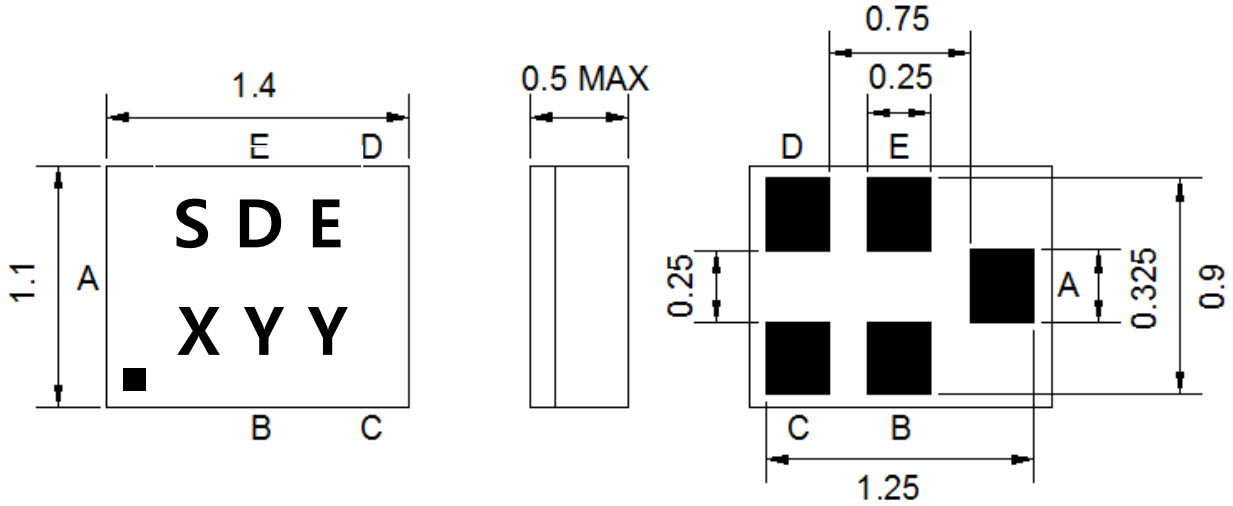
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)	Ω	-	50	-
Load Impedance (Single ended)	Ω	-	50	-
Package type & size	C26			
Length x Width	mm <sup>2</sup>	-	1.4 x 1.1	-
Height	mm	-	-	0.5

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1740	-
Insertion Loss within 1710.0 ~ 1770.0 MHz	dB	-	1.5	2.7
Amplitude Ripple within 1710.0 ~ 1770.0 MHz	dB <sub>p-p</sub>	-	0.7	1.8
<b>Attenuation:</b>				
800.0 ~ 1355.0 MHz	dB	30	37	-
1574.0 ~ 1577.0 MHz	dB	30	52	-
1600.0 ~ 1680.0 MHz	dB	12	22	-
1805.0 ~ 1880.0 MHz	dB	17	24	-
1930.0 ~ 1990.0 MHz	dB	30	36	-
2110.0 ~ 2170.0 MHz	dB	30	44	-
VSWR within 1710.0 ~ 1770.0 MHz		-	2.0	2.5

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

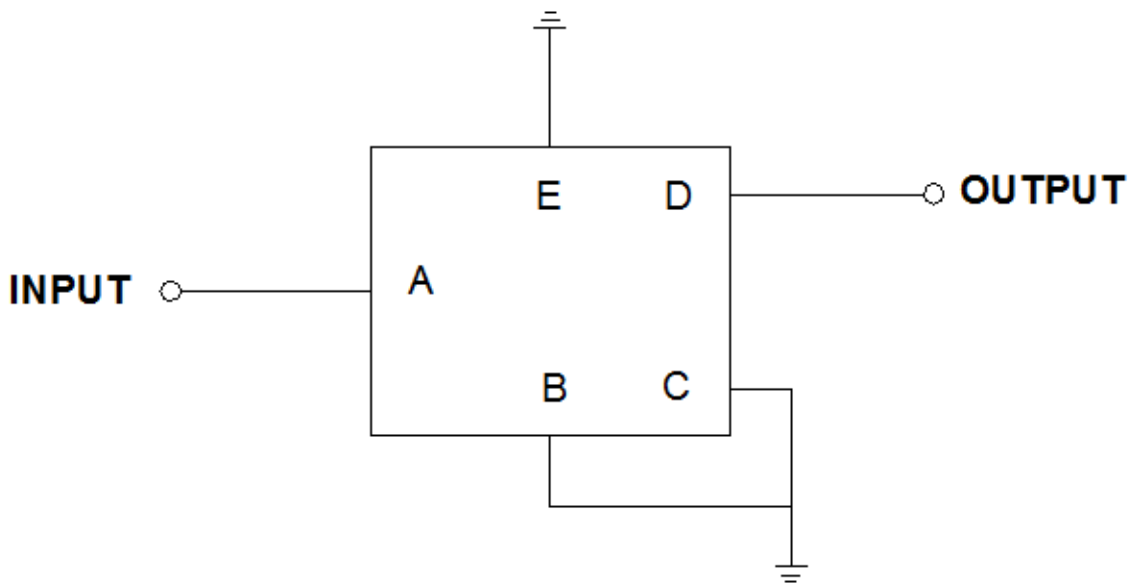
**Package Dimensions**



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

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

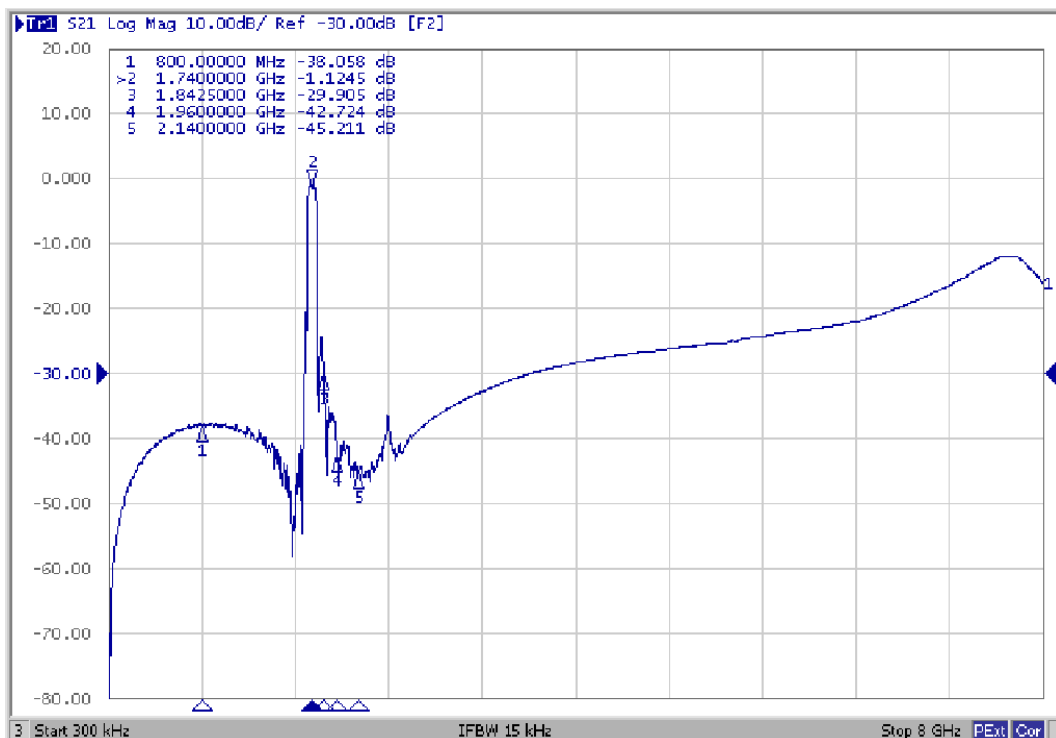
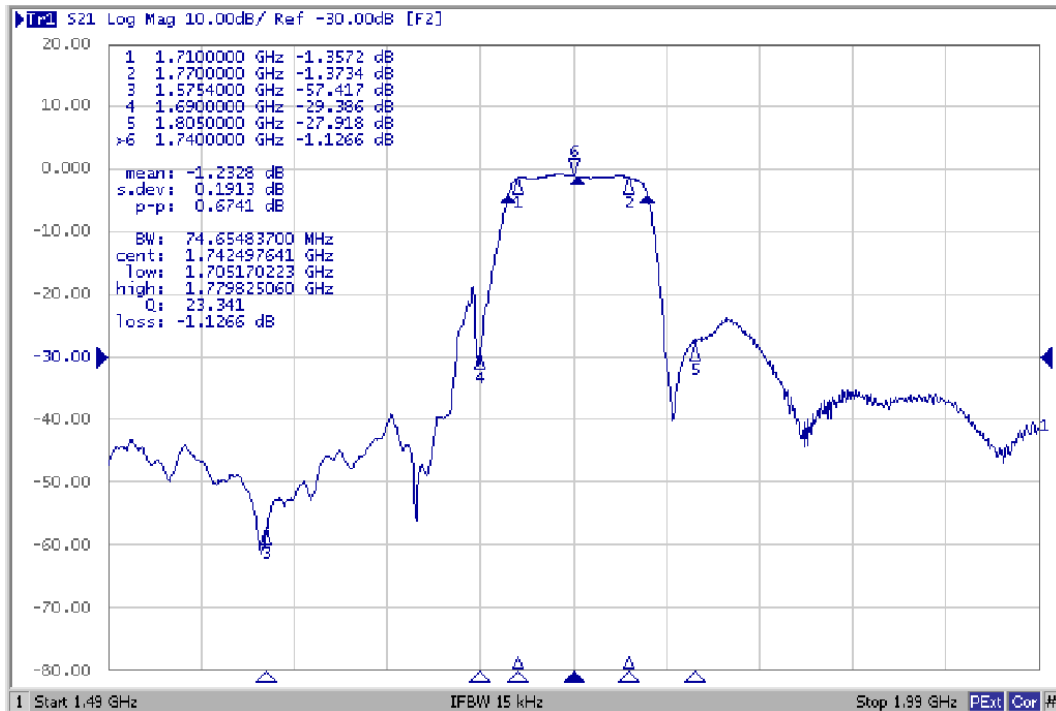
**Testing Environment**



Source & Load Impedance: 50 Ω

### □ Frequency Characteristics

#### Frequency Response

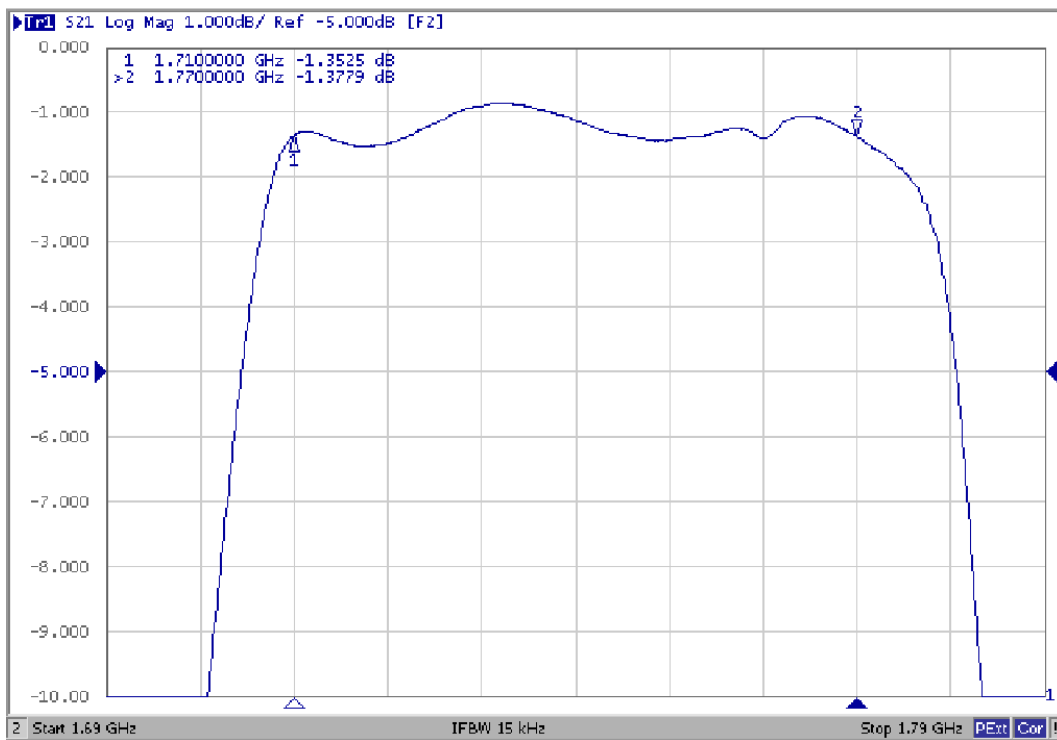




#### VSWR



#### Ripple



### Smith Chart

