



*Total Solution Provider in Saw Device*

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# SF-0806T2-C26

Band 20, RF-Rx SAW Filter  
Revision 0 : October 2015



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

### Maximum Ratings

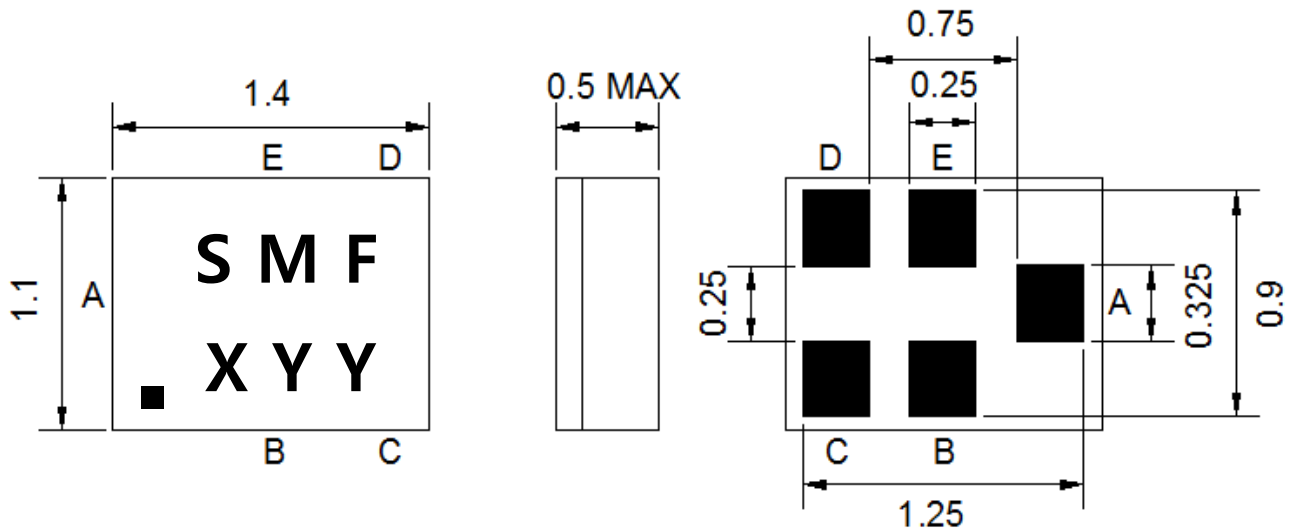
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (Unbalanced)	Ω	-	50	-
Load Impedance (Unbalanced)	Ω	-	50	-
Package type & size	C26			
Length x 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	-	806.0	-
Insertion Loss within 791.0 ~ 821.0 MHz	dB	-	2.5	3.8
Amplitude Ripple within 791.0 ~ 821.0 MHz	dB <sub>p-p</sub>	-	1.3	2.5
VSWR within 791.0 ~ 821.0 MHz	-	-	2.0	2.3
<b>Attenuation:</b>				
832.0 ~ 862.0 MHz	dB	37	41	-
1559.0 ~ 1607.0 MHz	dB	40	47	-
1582.0 ~ 1642.0 MHz	dB	40	46	-
2373.0 ~ 2463.0 MHz	dB	30	38	-
2400.0 ~ 2500.0 MHz	dB	30	37	-
3164.0 ~ 3284.0 MHz	dB	20	33	-
3955.0 ~ 4105.0 MHz	dB	20	30	-
4746.0 ~ 4926.0 MHz	dB	20	28	-
5537.0 ~ 5747.0 MHz	dB	20	26	-
6328.0 ~ 6568.0 MHz	dB	15	25	-
7119.0 ~ 7389.0 MHz	dB	15	24	-

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

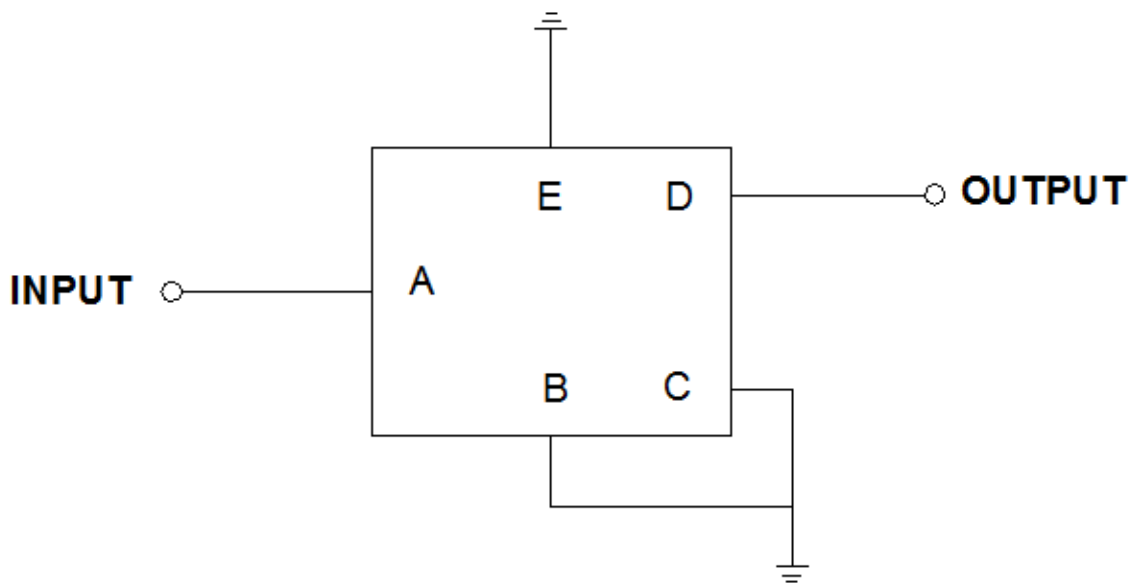
**Package Dimensions**



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

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

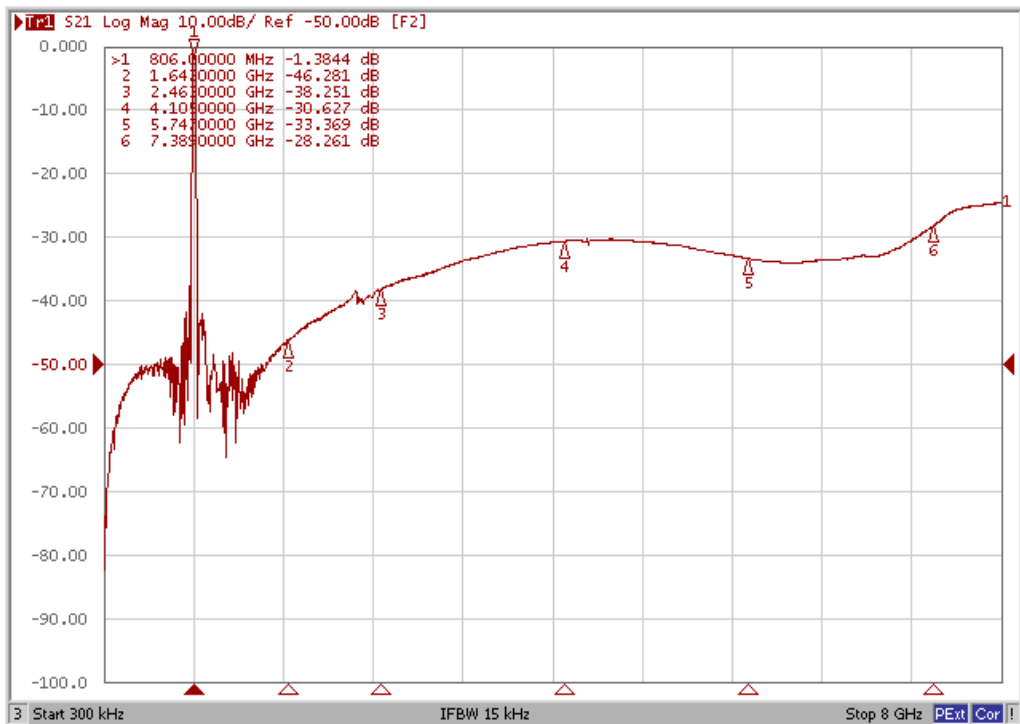
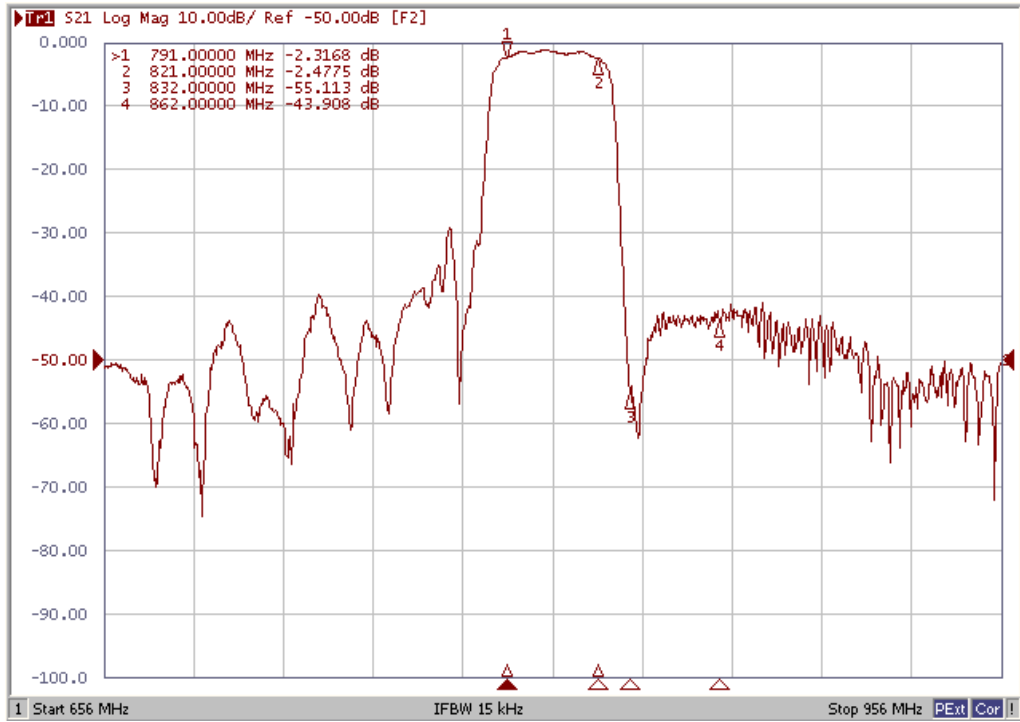
**Testing Environment**



Source & Load Impedance: 50 Ω

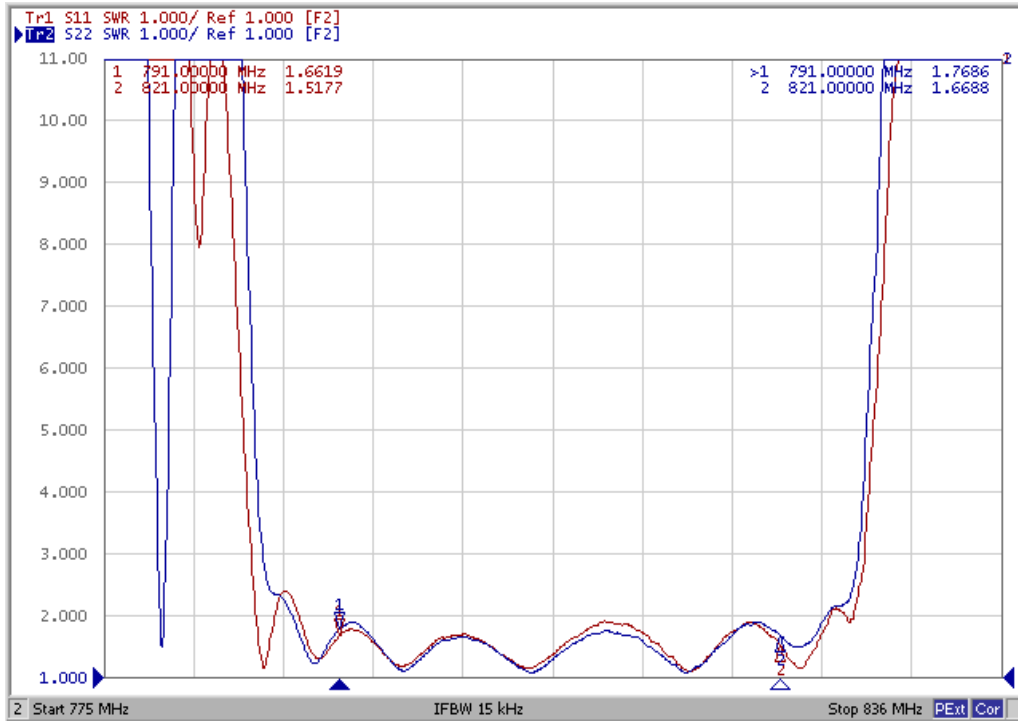
**Frequency Characteristics**

**Frequency Response**

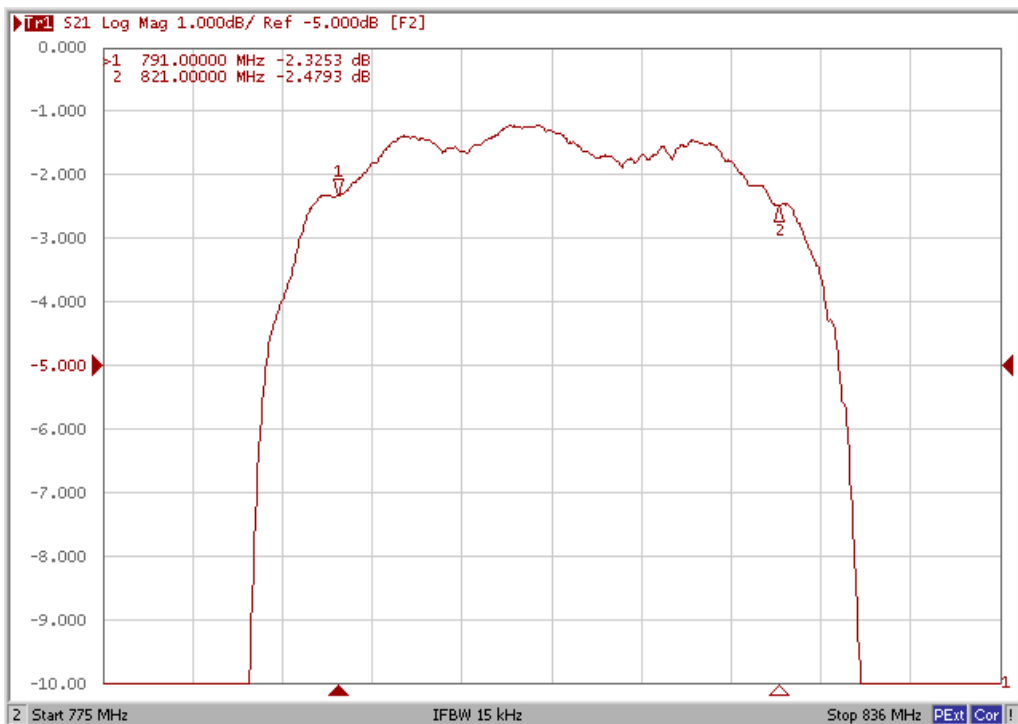




VSWR



Ripple



### Smith Chart

