

- 261.00 MHz IF SAW Filter / 10.85 MHz Bandwidth
- Revision 0: May 2013

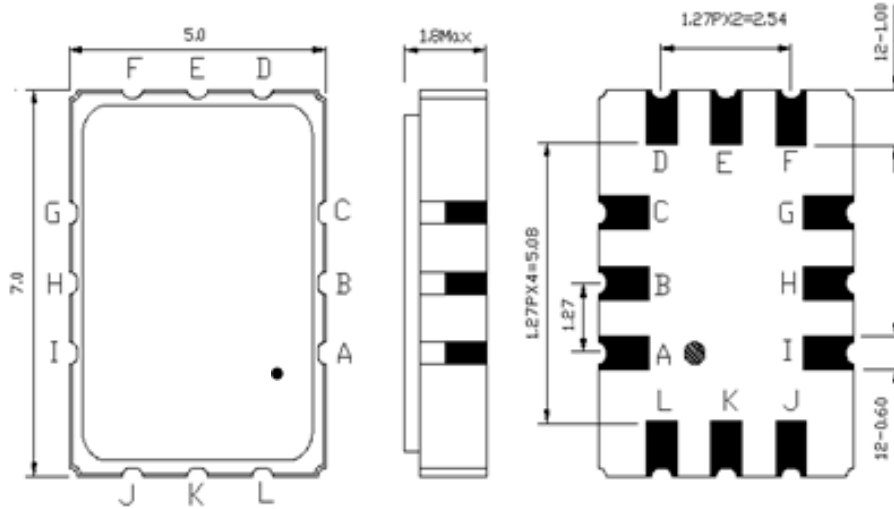
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-30	-	80
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (Single-ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (Single-ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S60			
Length x Width	mm <sup>2</sup>	-	7.0 x 5.0	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	261.00	-
Insertion Loss at Fo	dB	-	12.3	14.0
Amplitude Ripple Variation within 257 ~ 265MHz	dB <sub>p-p</sub>	-	0.2	0.8
Group Delay Variation	nsec	-	16	50
Absolute Group Delay within 257 ~ 265MHz	μsec	-	0.54	0.8
Bandwidth at -1.0 dB	MHz	10.50	10.85	-
Relative Attenuation:				
Fo ± 15.0MHz	dB	40	50	-
Temperature Coefficient	ppm/°C	-	-20	-

**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

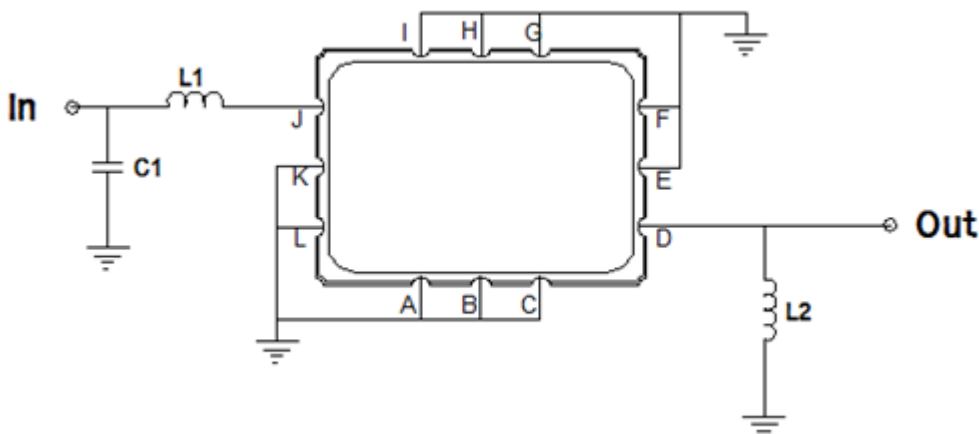
## Package Dimensions



- ① **TRANSKO:** Brand
- ② **TF-026101:** Model Name
- ③ **X :** Date Code (Year)
- ④ **Y :** Date Code (Month)
- ⑤ **Z :** Date Code (Date)
- : Index Dot

Pin Description	
A, B, C, E, F, G, H, I, K, L	Ground
J	Input
D	Output

## Testing Environment



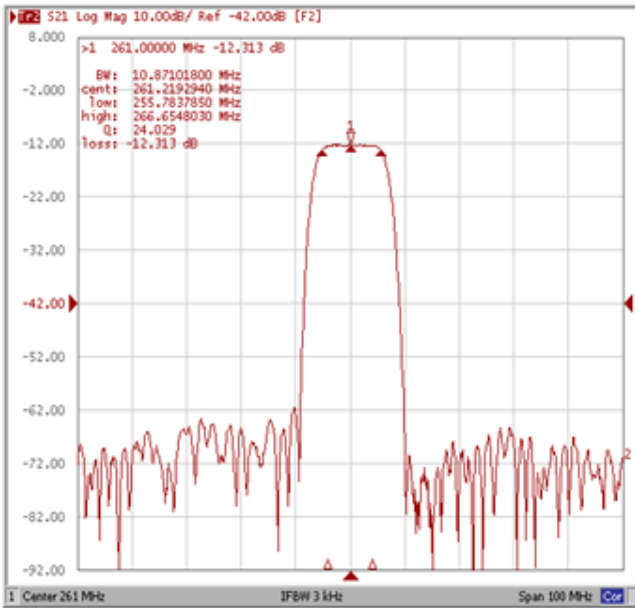
Test Fixture & Values	
Input	L1=27 nH, C1=18pF
Output	L2=15 nH
Source/Load Impedance	50 Ω

## Frequency Characteristics

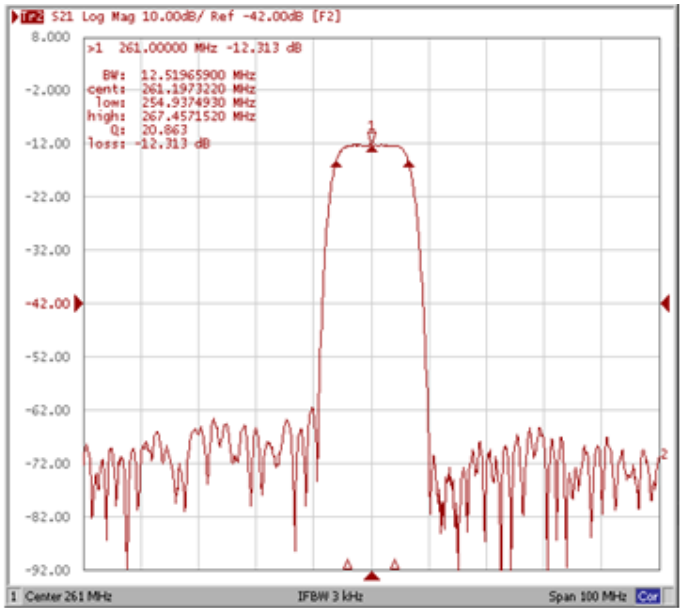
### Frequency Response

Operating Temperature: +25°C

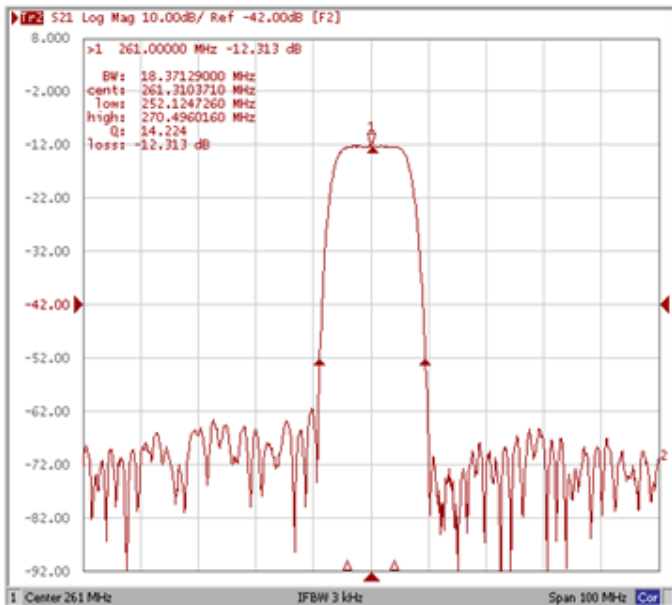
#### Bandwidth at -1.0 dB



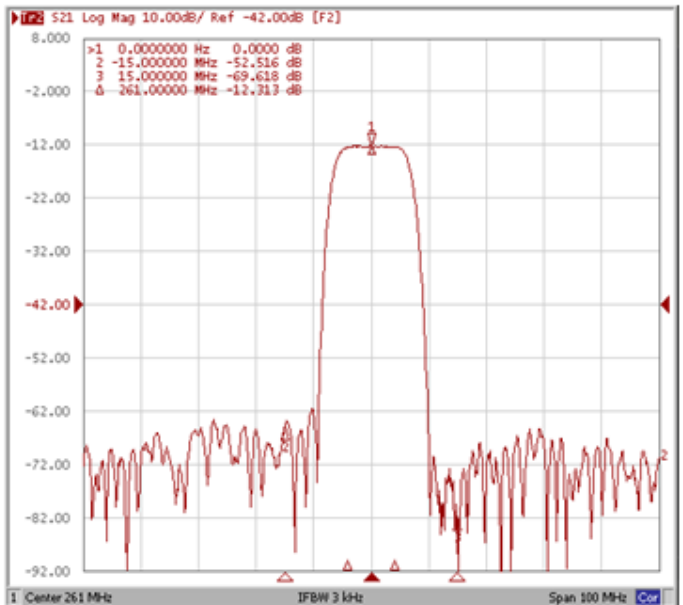
#### Bandwidth at -3.0 dB



#### Bandwidth at -40.0 dB

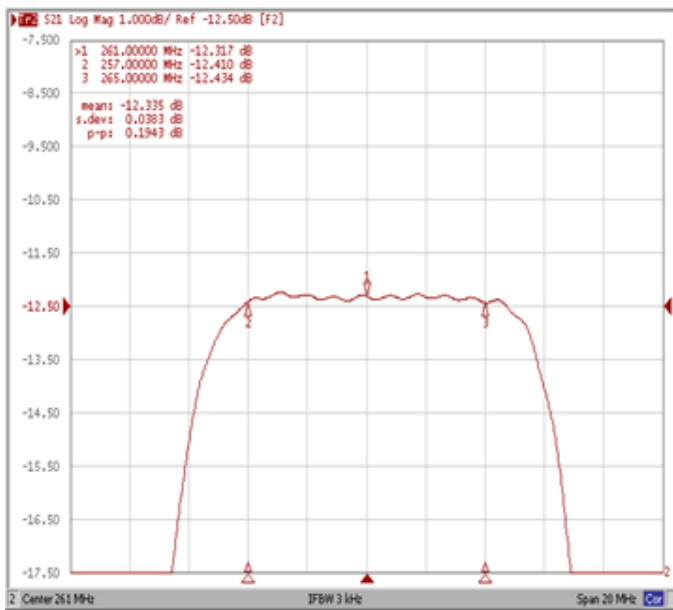


#### Relative Attenuation

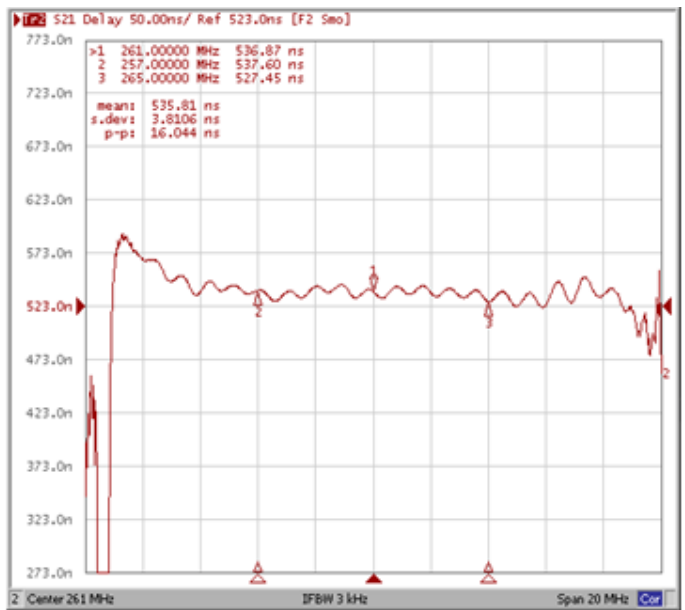


## Frequency Response

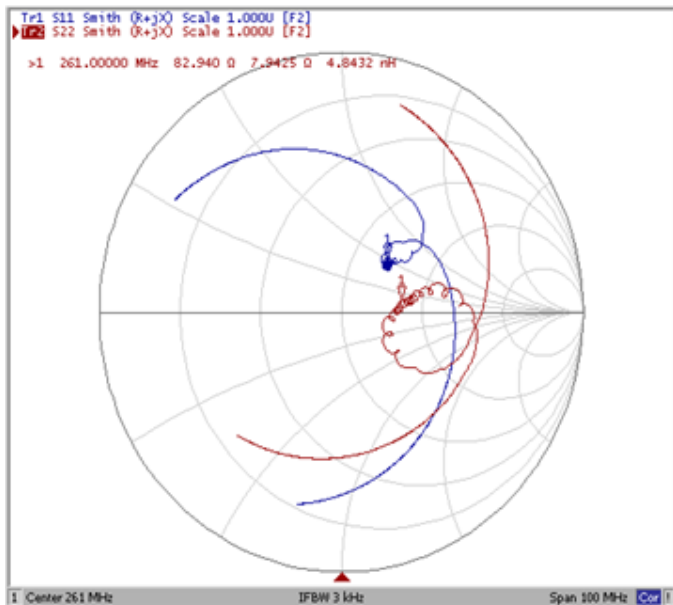
**Ripple Variation  $Fo \pm 4.0\text{MHz}$**



**Group Delay Variation  $Fo \pm 4.0\text{MHz}$**



**Smith Chart**



**VSWR**

