

- 184.00 MHz IF SAW Filter / 5.70 MHz Bandwidth
- Revision 0: 19. Mar. 2008

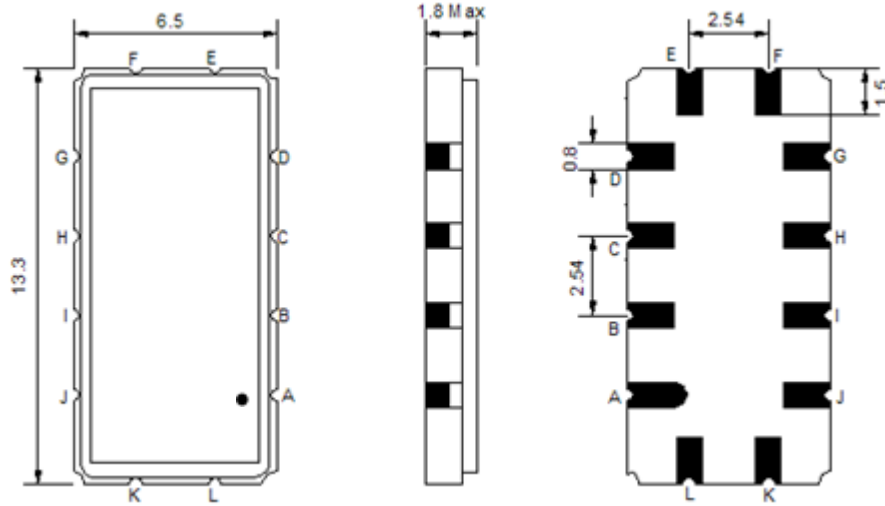
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	0		70
Storage Temperature Range	°C	-45	-	85
Maximum DC Voltage	V	-	-	10
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	V			
Length x Width	mm <sup>2</sup>	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	184.00	-
Insertion Loss at Fo	dB	-	23.5	25.0
Group Delay Variation (Fo±2.5MHz)	ns	-	45	100
Absolute Delay	us	-	1.75	-
Passband Ripple (Fo±2.5MHz)	dB	-	0.25	0.80
Bandwidth at -1dB	MHz	5.00	5.65	-
Bandwidth at -3dB	MHz	-	6.00	-
Bandwidth at -40dB	MHz	-	7.40	-
Ultimate Rejection	dB	40	45	-
Relative Attenuation Fo±4MHz	dB	-	45	-

**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.

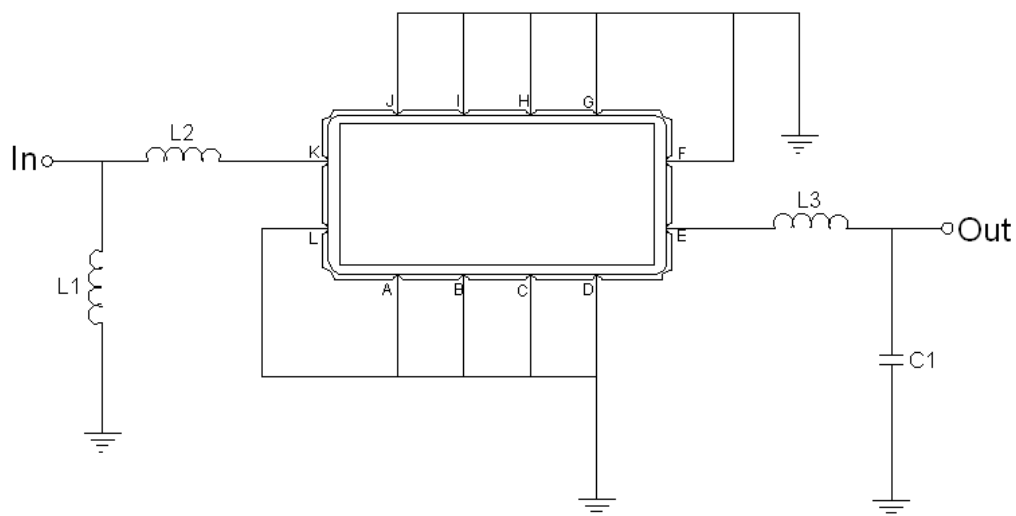
## Package Dimensions



- ① **TRANSKO:** Brand
- ② **TA18405A:** Model Name
- ③ **X :** Date Code (Year)
- ④ **Y :** Date Code (Month)
- ⑤ **Z :** Date Code (Date)
- : Index Dot

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

## Testing Environment

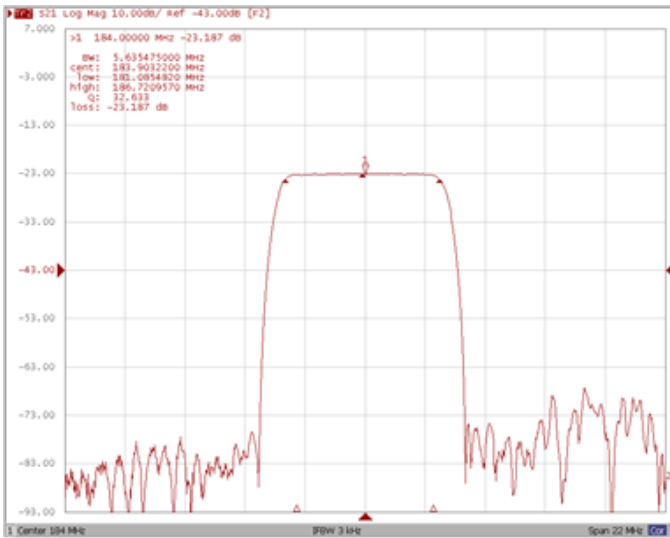


Test Fixture & Values	
Input	L1=18 nH, L2=27 nH
Output	L3=47 nH, C1=43 pF
Source/Load Impedance	50 Ω

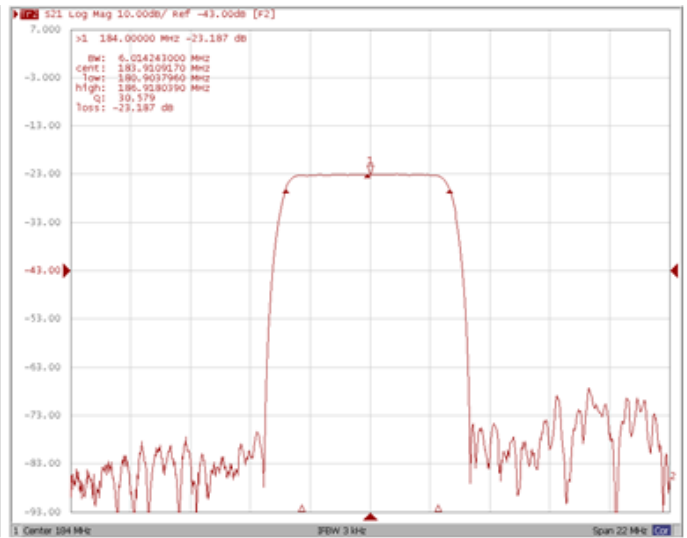
## Frequency Characteristics

### Frequency Response

**Bandwidth at -1.0 dB**



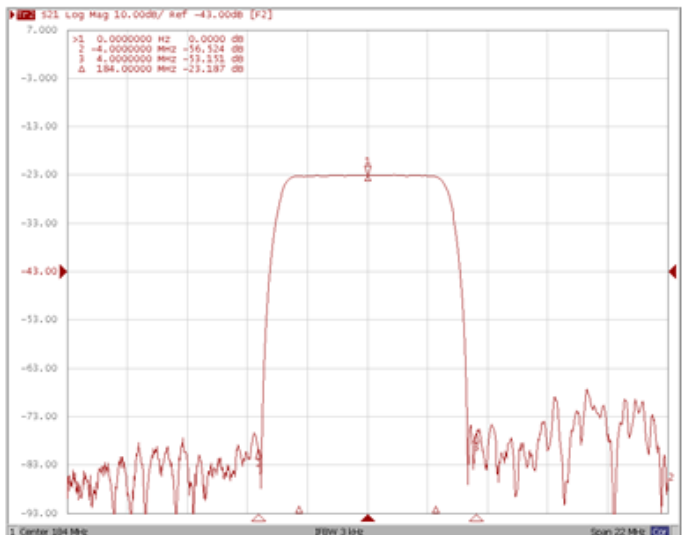
**Bandwidth at -3.0 dB**



**Bandwidth at -40.0 dB**



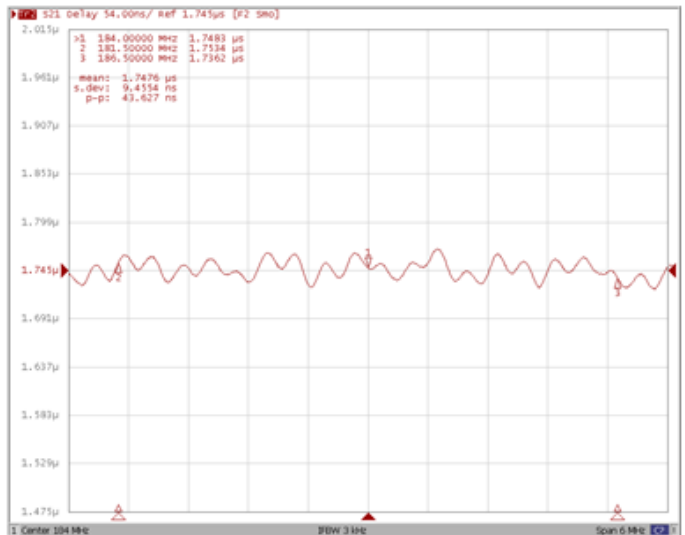
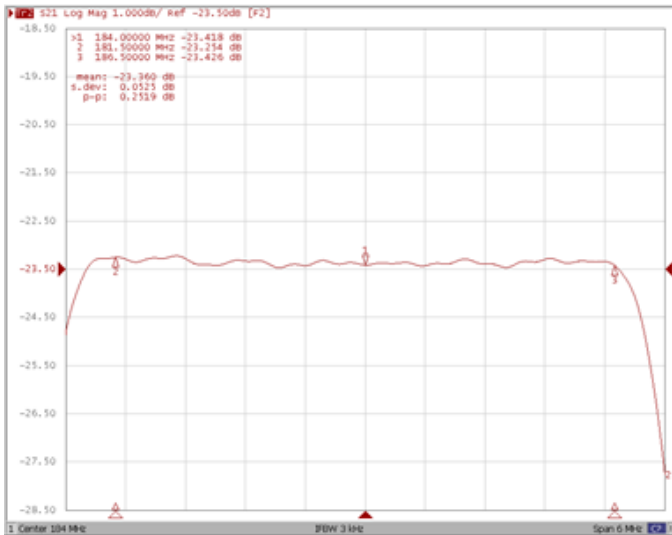
**Relative Attenuation Fo±4.0MHz**



## Frequency Response

**Ripple Variation Fo±2.5MHz**

**Group Delay Variation Fo±2.5MHz**



**Smith Chart**

**VSWR**

