- **74.6875 MHz IF SAW Filter / 10.0 MHz Bandwidth**
- **Revision 0: 29 Nov. 2007**

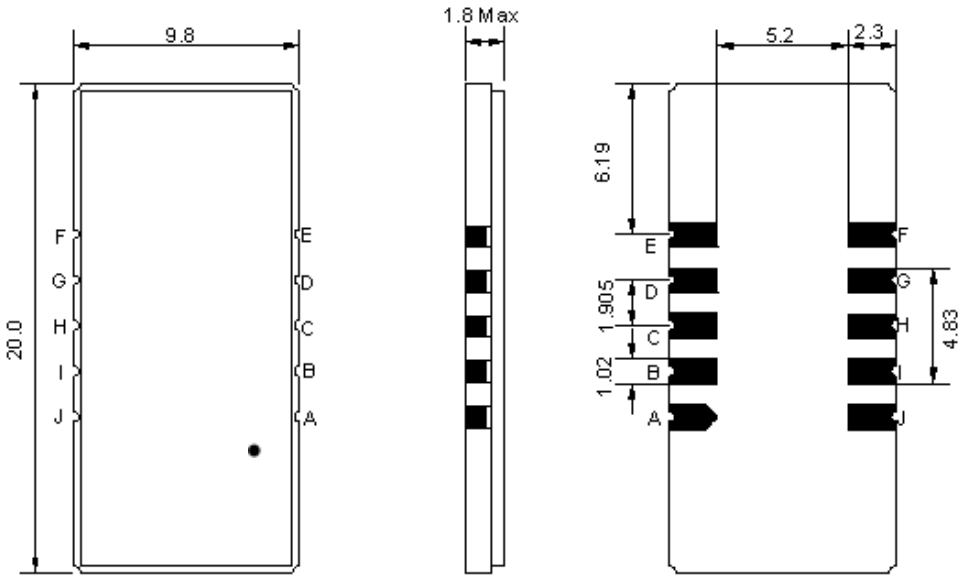
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	0	-	60
Storage Temperature Range	°C	-20	-	70
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	D1			
Length x Width	mm²	-	20.0 x 9.8	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	74.6875	-
Insertion Loss at Fo	dB	-	20.0	23.0
Group Delay Variation (Fo±4.6875MHz)	ns	-	50	100
Absolute Delay	us	-	2.32	-
Passband Ripple (Fo±4.6875MHz)	dB	-	0.46	1.00
Bandwidth at -1dB	MHz	9.375	10.00	-
Bandwidth at -30dB	MHz	-	11.50	-
Bandwidth at -40dB	MHz	-	11.65	12.10
Ultimate Rejection	dB	-	50	-
Relative Attenuation Fo±5.9125MHz	dB	30	50	

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.

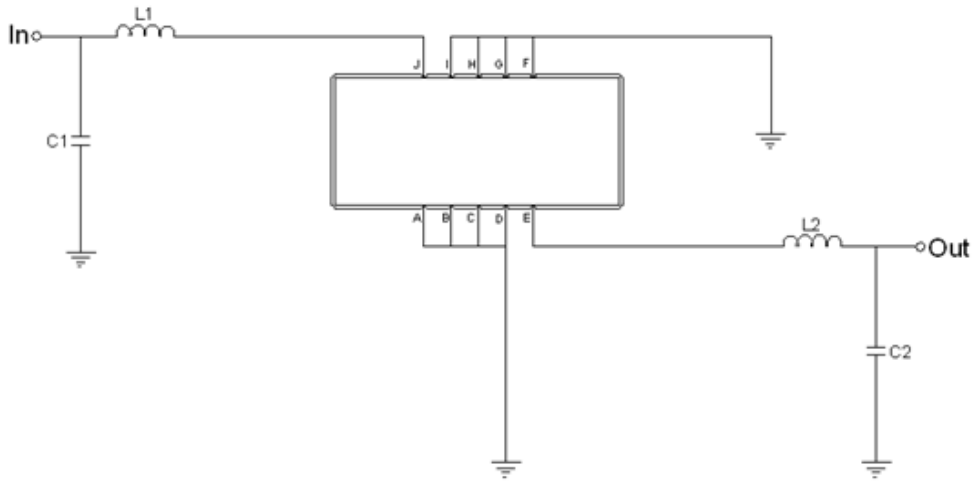
Package Dimensions



① **TRANSKO: Brand**
② **TA7410A: 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	Ground
J	Input
E	Output

Testing Environment

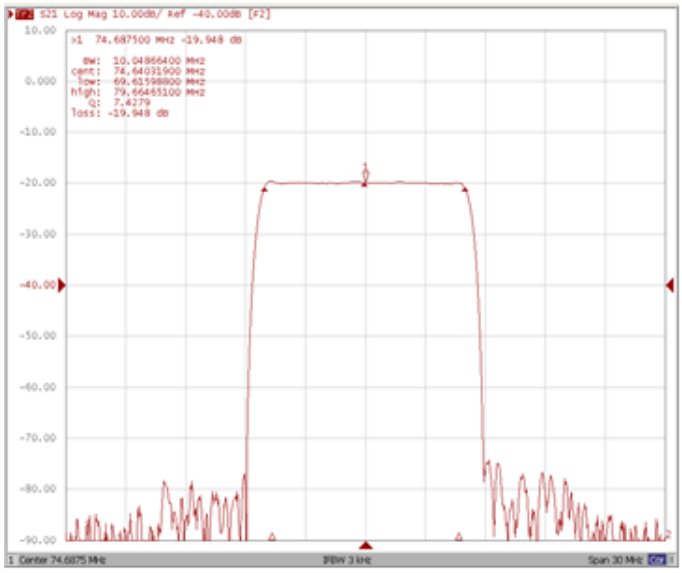


Test Fixture & Values	
Input	L1=56nH, C1=20pF
Output	L2=56nH ,C2=20pF
Source/Load Impedance	50 Ω

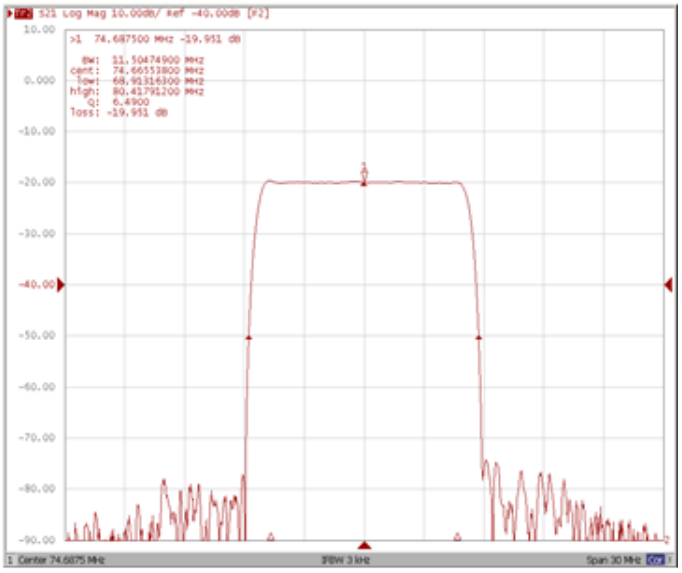
Frequency Characteristics

Frequency Response

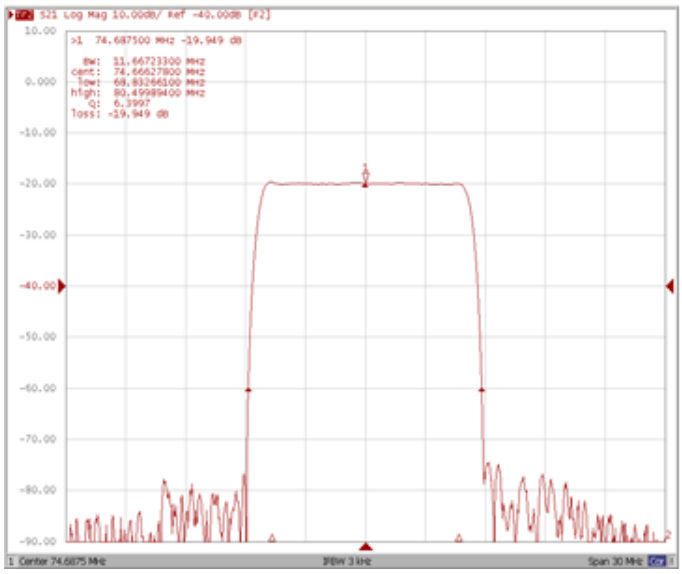
Bandwidth at –1.0 dB



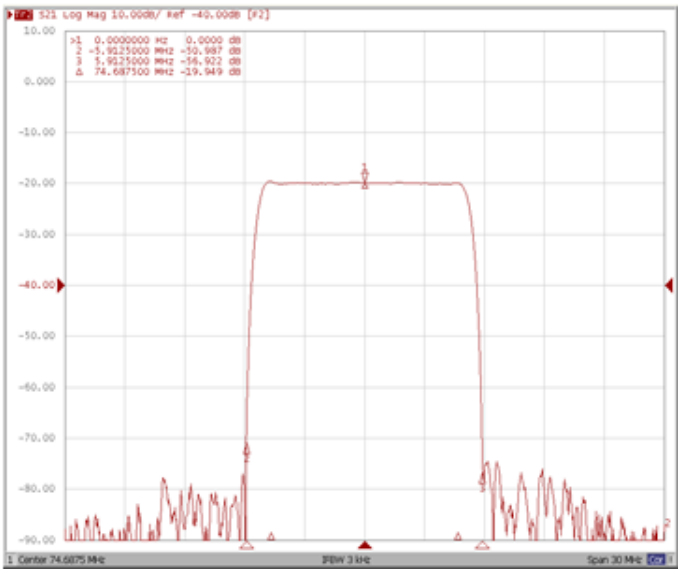
Bandwidth at –30.0 dB



Bandwidth at –40.0 dB

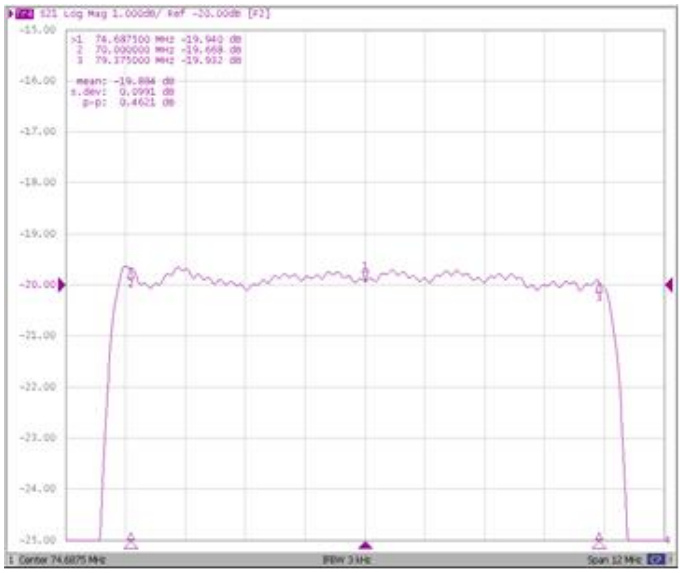


Relative Attenuation Fo±5.9125MHz

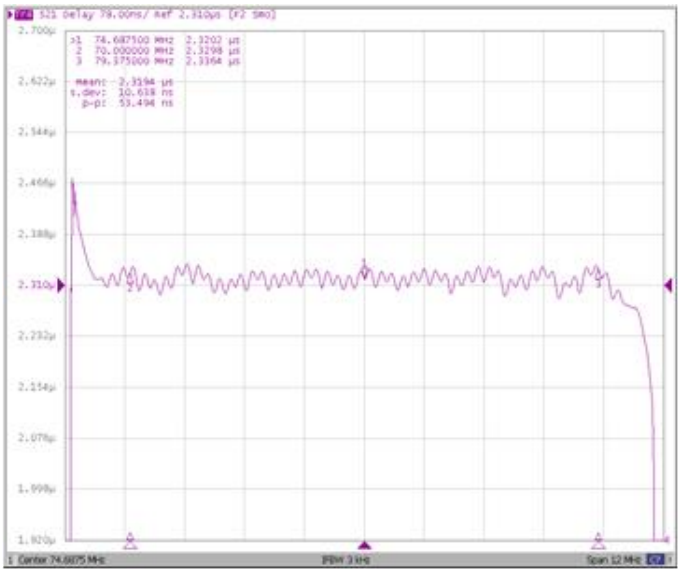


Frequency Response

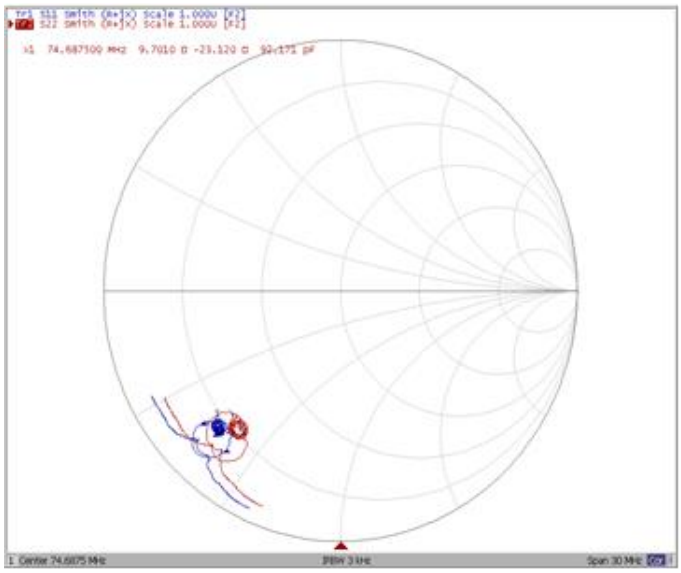
Ripple Variation Fo±4.6875MHz



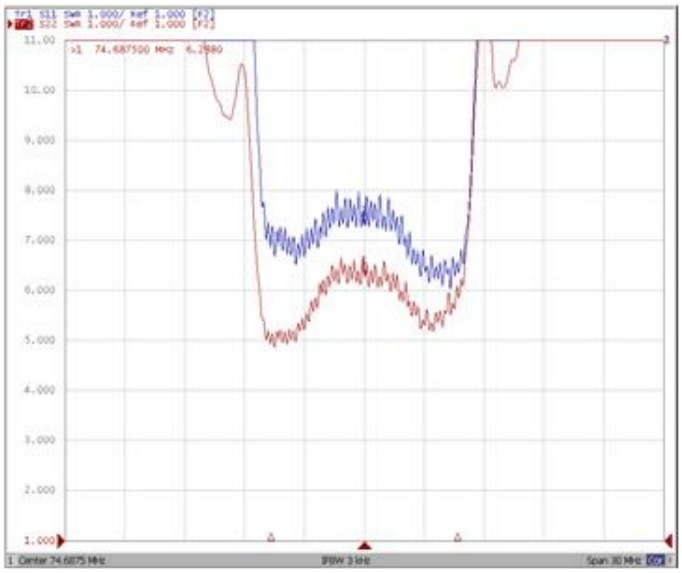
Group Delay Variation Fo±4.6875MHz



Smith Chart



VSWR



Transko Electronics, Inc. 3981 E. Miraloma Ave., Anaheim CA 92806 USA
Tel: 714-528-8000 Fax: 714-528-8017 Website: www.transko.com E-mail: sales@transko.com