

- 62.50 MHz IF SAW Filter / 5.23 MHz Bandwidth
- Revision 0: 05 Mar. 2010

Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	85
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	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	62.40	62.50	62.60
Insertion Loss at Fo	dB	-	15.20	17.00
Group Delay Variation (Fo±2.40MHz)	ns	-	48	80
Absolute Delay Time at Fo	us	-	1.68	1.80
Temperature Coefficient	ppm/°C	-	-18	-
Amplitude Ripple (Fo±2.40MHz)	dB	-	0.40	0.90
Bandwidth at -1dB	MHz	5.00	5.23	-
Bandwidth at -3dB	MHz	5.50	5.70	-
Bandwidth at -40dB	MHz	-	7.65	7.80
Ultimate Rejection	dB	40	47	-

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.

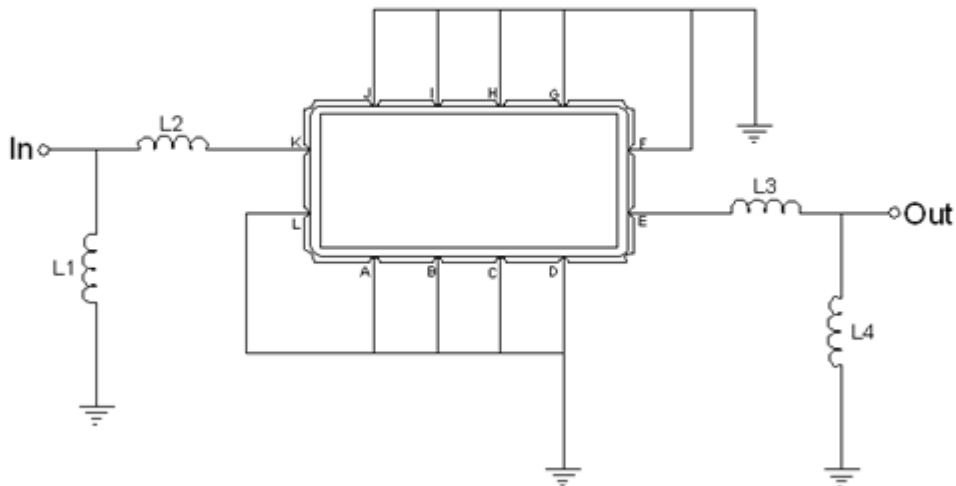
Package Dimensions



- ① **TRANSKO:** Brand
- ② **TL06205A:** 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

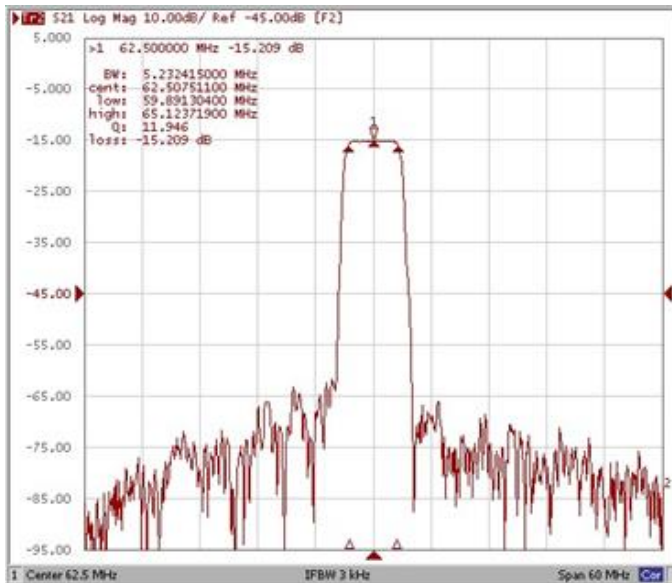


Test Fixture & Values	
Input	L1 = 56 nH, L2 = 12nH
Output	L3 = 12 nH, L4 = 56nH
Source/Load Impedance	50 Ω

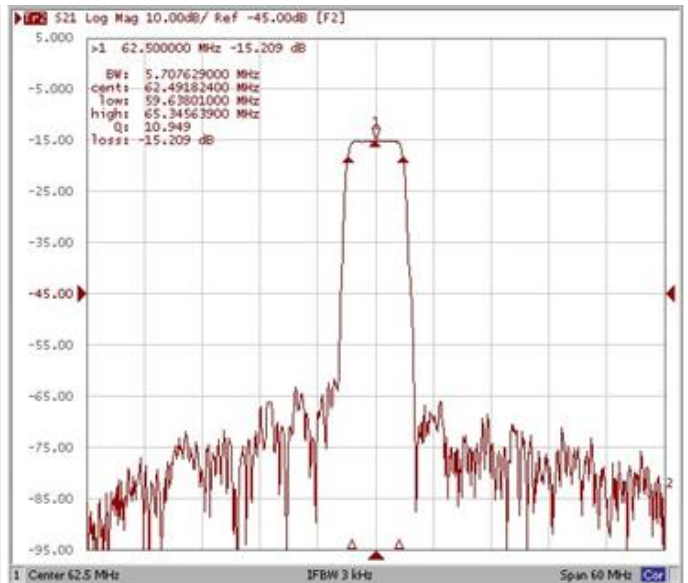
Frequency Characteristics

Frequency Response

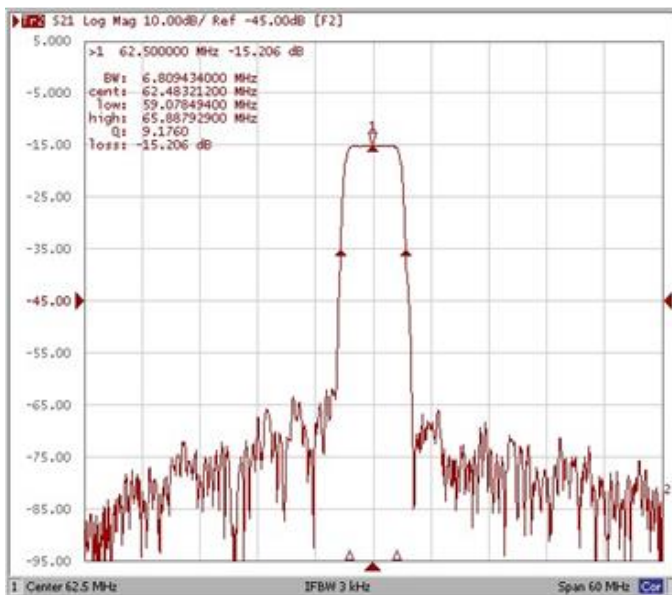
Bandwidth at -1.0 dB



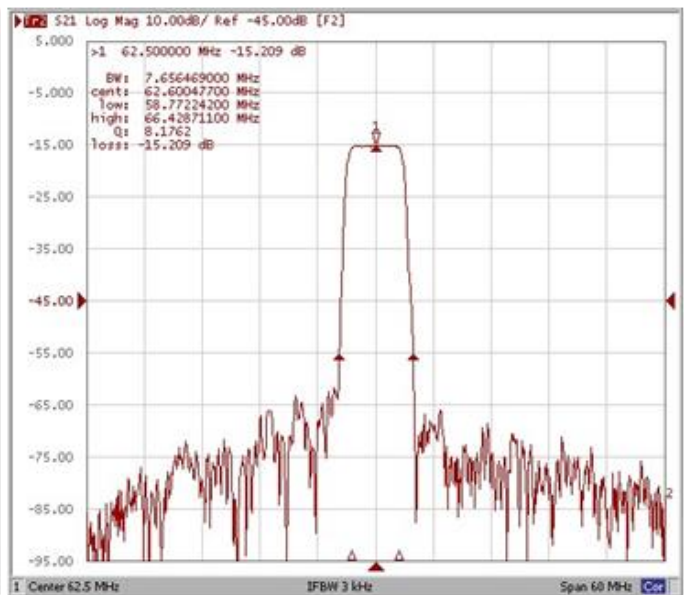
Bandwidth at -3.0 dB



Bandwidth at -20.0 dB



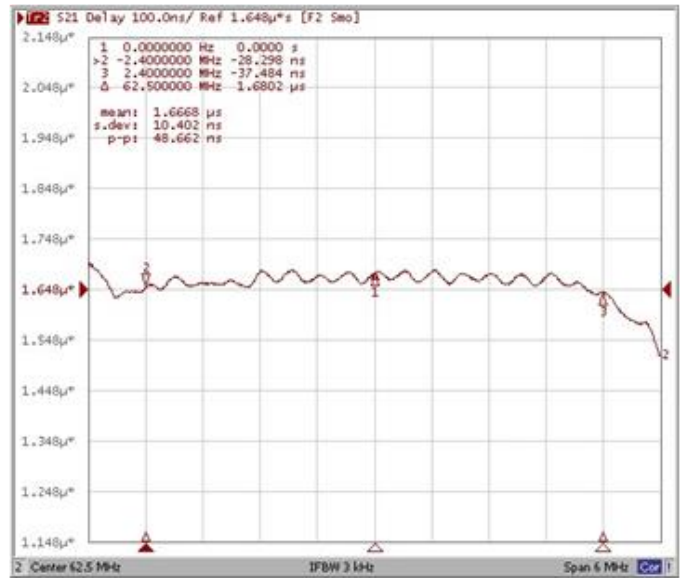
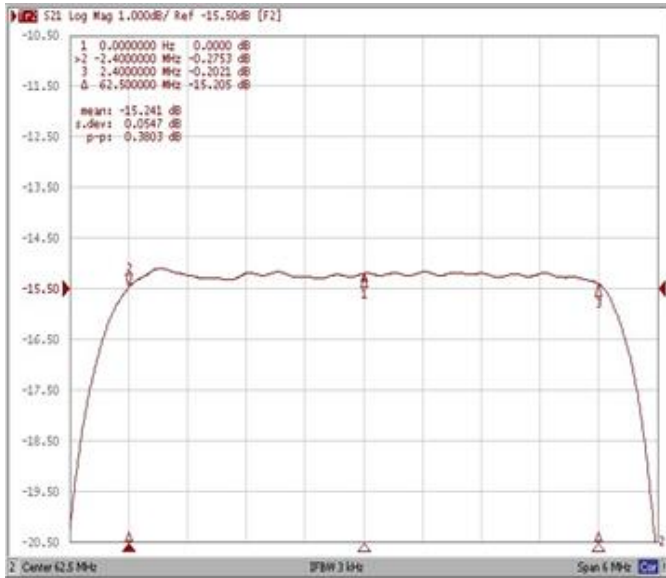
Bandwidth at -40.0 dB



Frequency Response

Ripple Variation Fo±2.40MHz

Group Delay Variation Fo±2.40MHz



Smith Chart

VSWR

