

- 62.5 MHz IF SAW Filter / 14.60 MHz Bandwidth
- Revision 0: 10 Jul. 2009

Electrical Characteristics

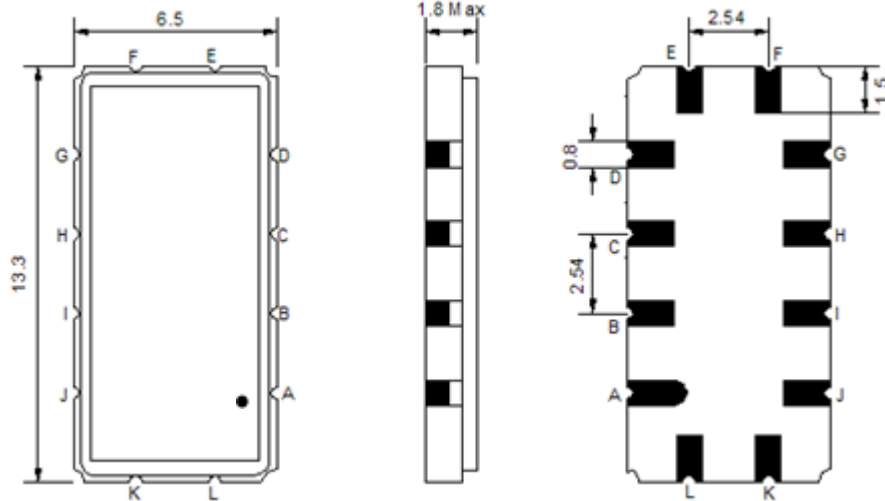
MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package 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	-	62.5	-
Insertion Loss at Fo	dB	-	23.8	25.0
Group Delay Variation (Fo±6.82MHz)	ns	-	30	80
Absolute Delay Time at Fo	us	-	1.7	-
Temperature Coefficient	ppm/°C	-	-72	-
Amplitude Ripple (Fo±6.82MHz)	dB	-	0.5	1.0
Bandwidth at -1dB	MHz	14.40	14.60	-
Bandwidth at -3dB	MHz	-	15.10	-
Bandwidth at -40dB	MHz	-	17.10	17.30
Relative Attenuation				
Fo±8.5MHz	dB	28	33	-
Lower sidelobe	dB	40	46	-
Upper sidelobe	dB	40	46	-

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.

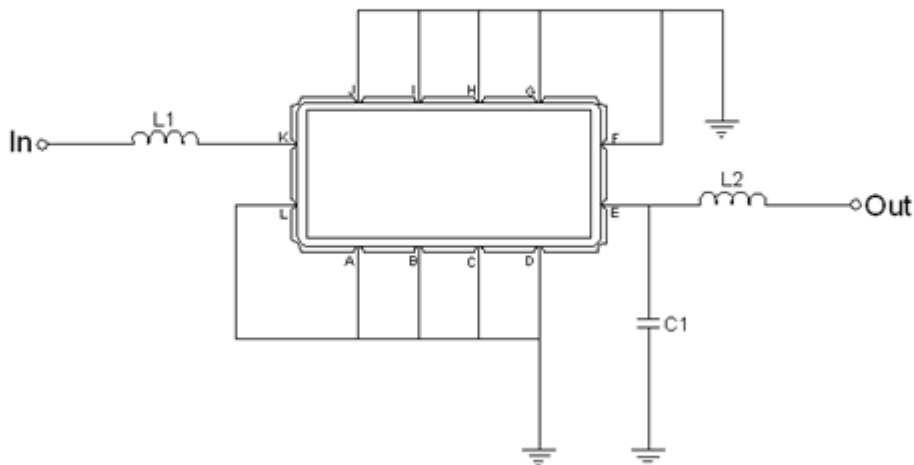
Package Dimensions



- ① **TRANSKO:** Brand
- ② **TA06214C:** 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

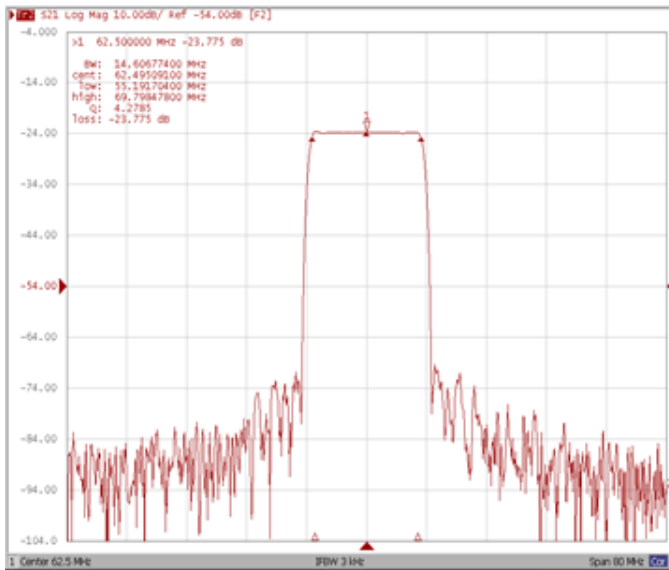


Test Fixture & Values	
Input	L1=220 nH
Output	L2=220 nH, C1=16pF
Source/Load Impedance	50 Ω

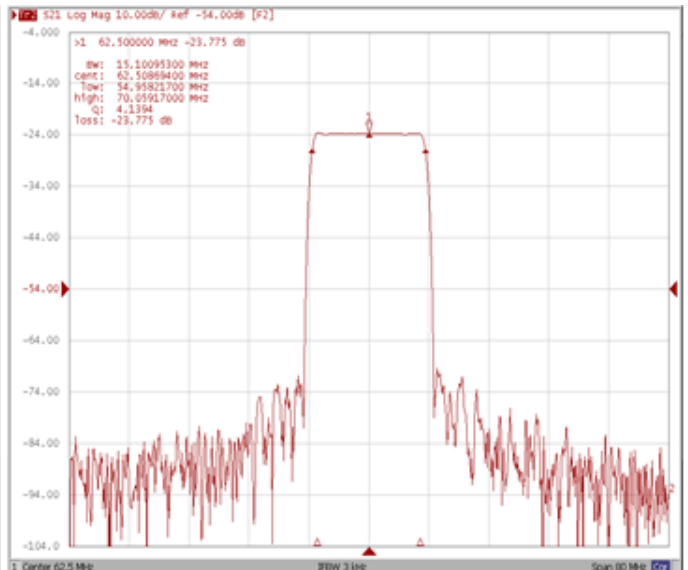
Frequency Characteristics

Frequency Response

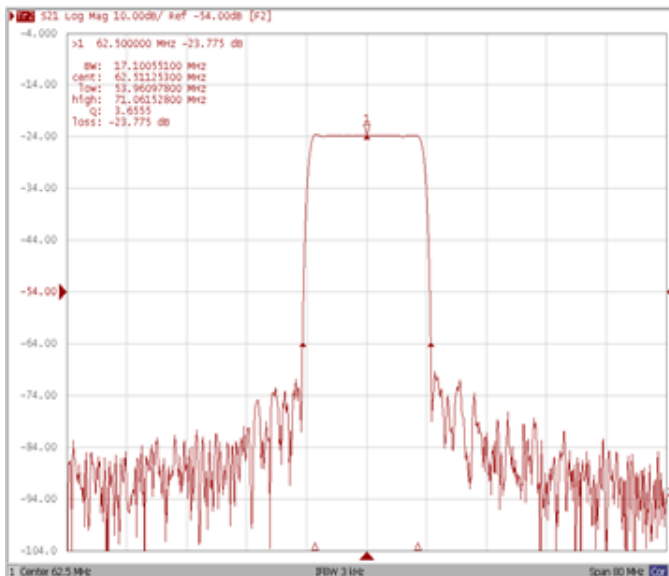
Bandwidth at -1.0 dB



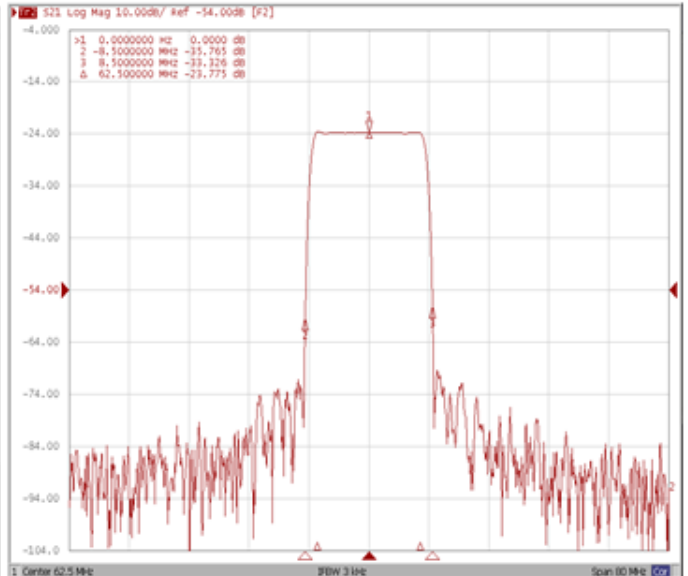
Bandwidth at -3.0 dB



Bandwidth at -40.0 dB



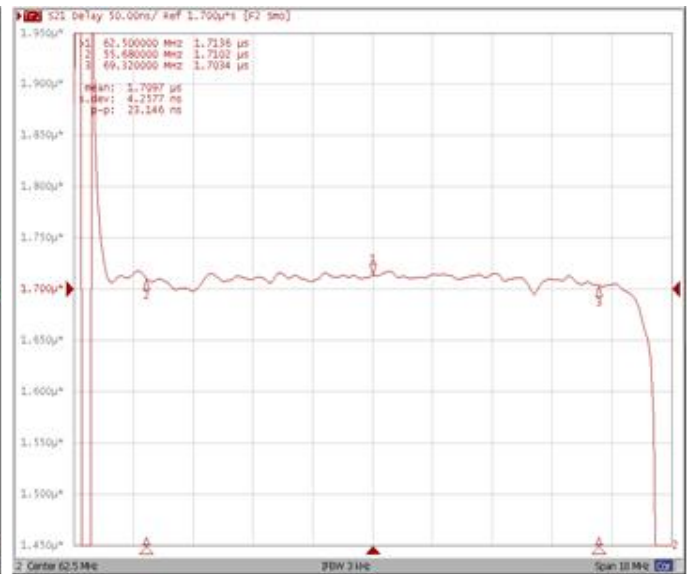
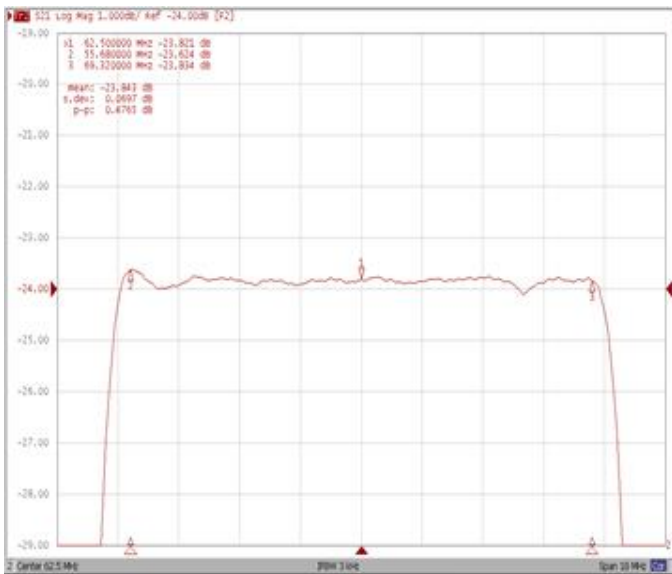
Attenuation Fo ±8.5MHz



Frequency Response

Ripple Variation Fo±6.82MHz

Group Delay Variation Fo±6.82MHz



Smith Chart

VSWR

