

- 62.50 MHz IF SAW Filter / 16.60 MHz Bandwidth
- Revision 0: 22 Mar. 2008

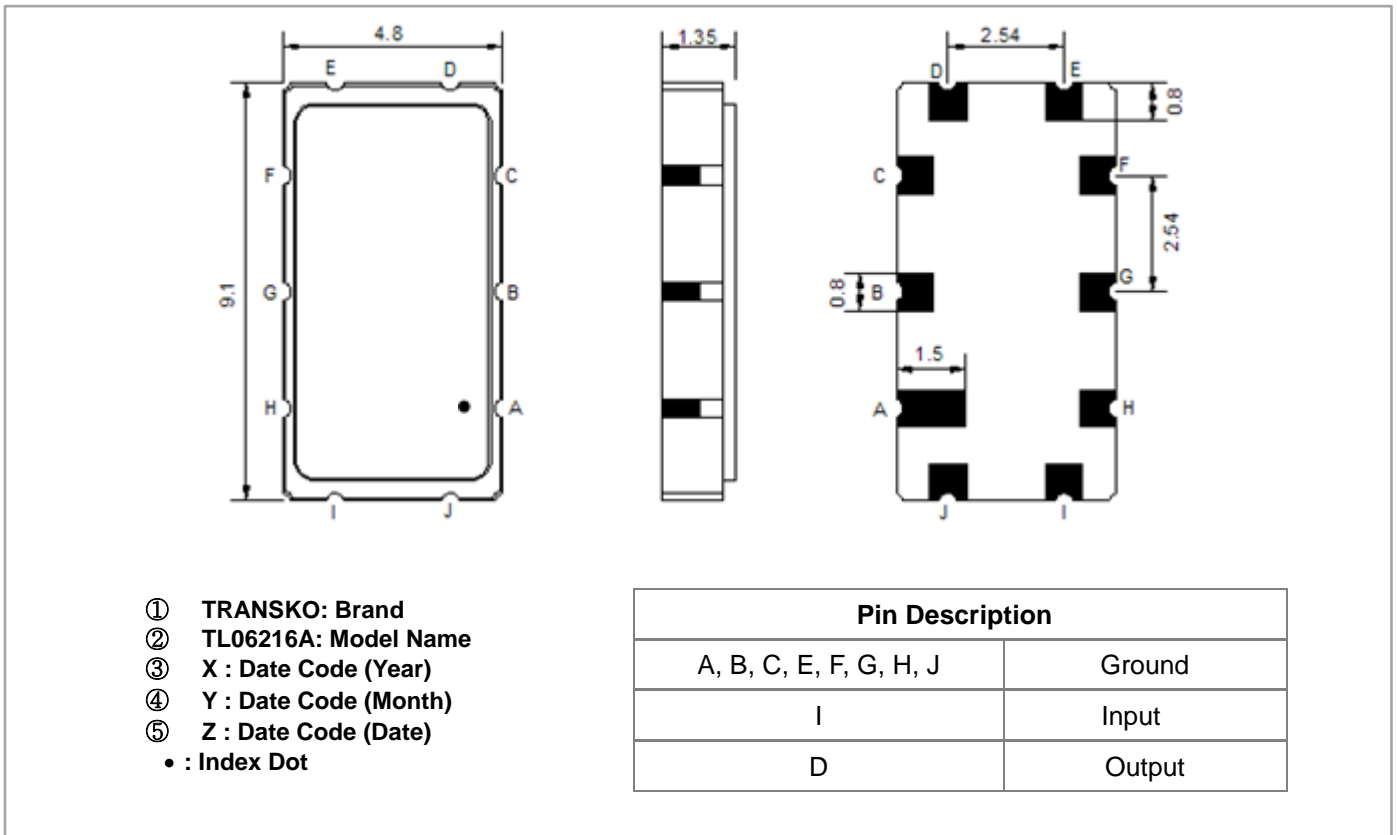
Electrical Characteristics

MAXIMUM RATING				
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	60
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	T			
Length x Width	mm ²	-	9.1 x 4.8	-
Height	mm	-	-	1.5

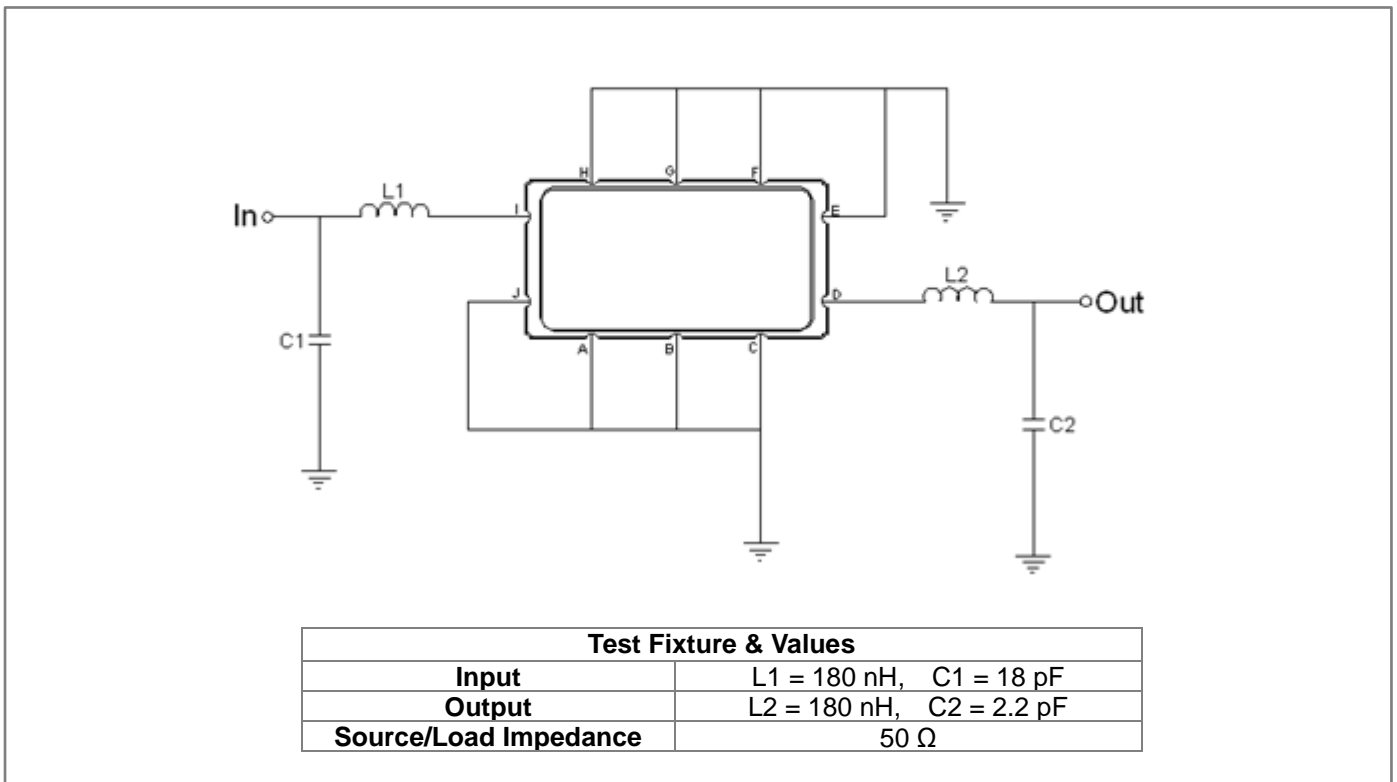
ELECTRICAL SPECIFICATION				
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	62.5	-
Insertion Loss at Fo	dB	-	15.0	17.0
Group Delay Variation at Fo±7MHz	nsec	-	25	50
Absolute Delay at Fo	usec	-	0.88	-
Passband Ripple at Fo±7MHz	dB	-	0.25	0.7
Bandwidth at -1dB	MHz	16.4	16.6	-
Bandwidth at -3dB	MHz	-	17.57	-
Bandwidth at -40dB	MHz	-	21.56	22.0
Relative Attenuation:				
Lower sidelobe	dB	40	45	-
Upper sidelobe	dB	40	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



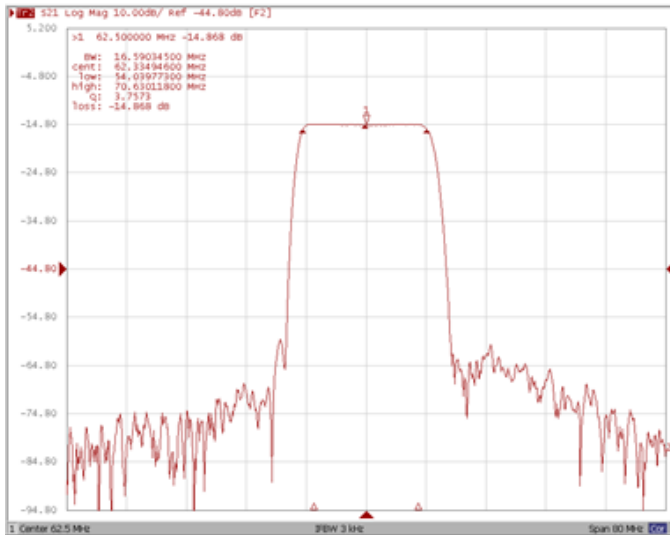
Testing Environment



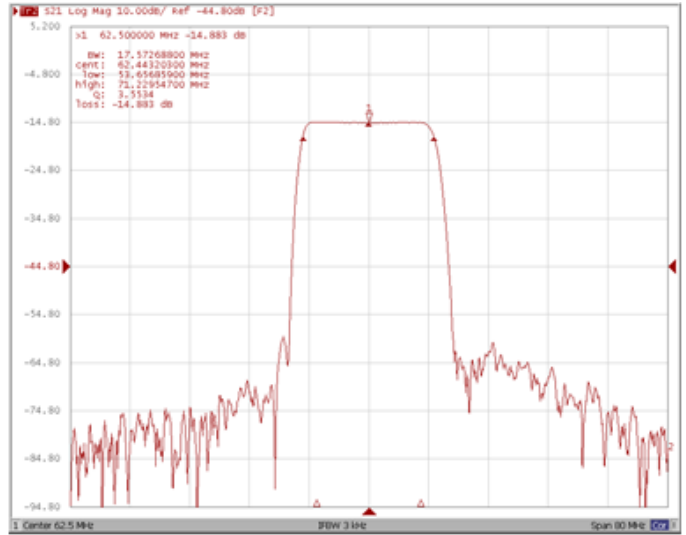
Frequency Characteristics

Frequency Response

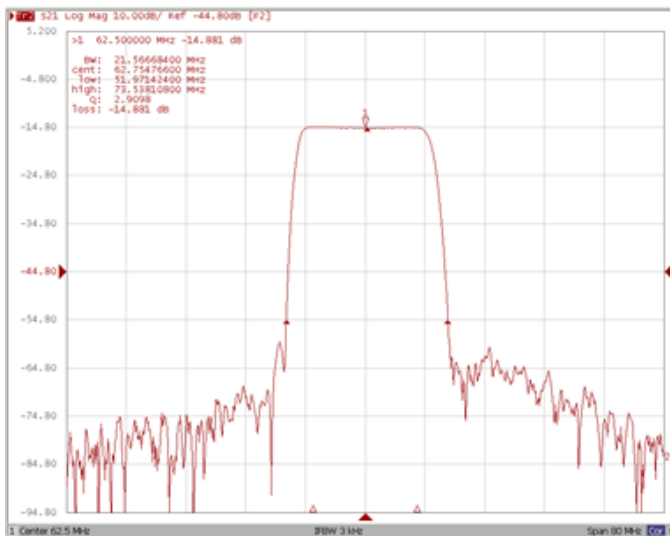
Bandwidth at -1.0 dB



Bandwidth at -3.0 dB



Bandwidth at -40.0 dB

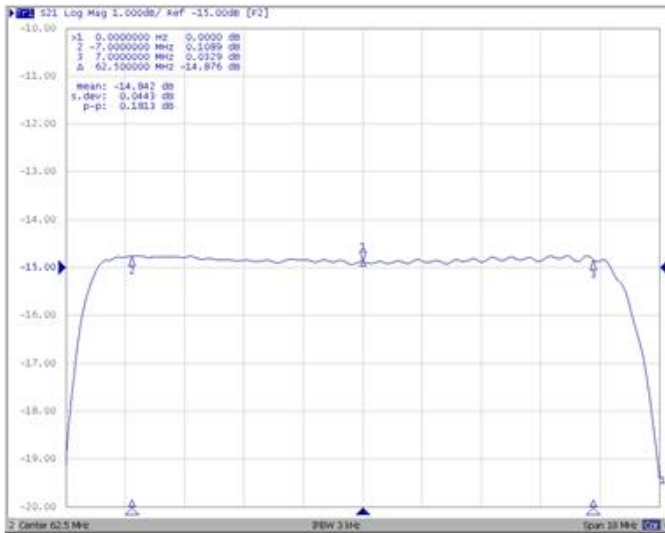


Wide-Band

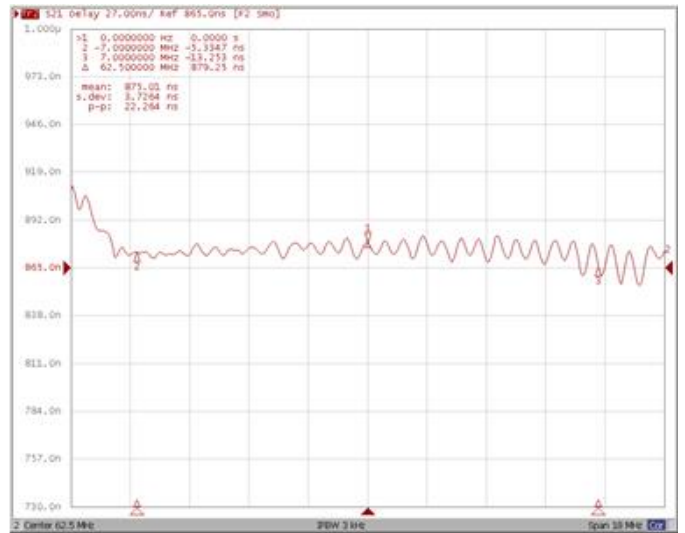


Frequency Response

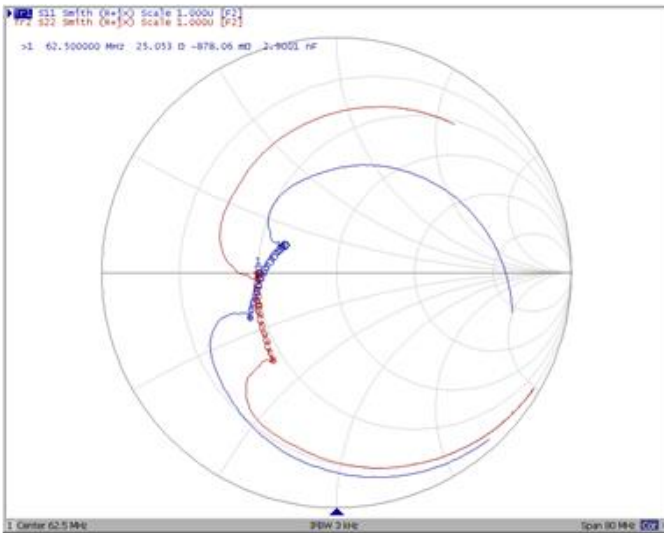
Ripple Variation Fo ±7MHz



Group Delay Variation Fo ±7MHz



Smith Chart



SWR

