

- 62.50 MHz IF SAW Filter / 20.25 Hz Bandwidth
- Revision 0: 13. Jun. 2008

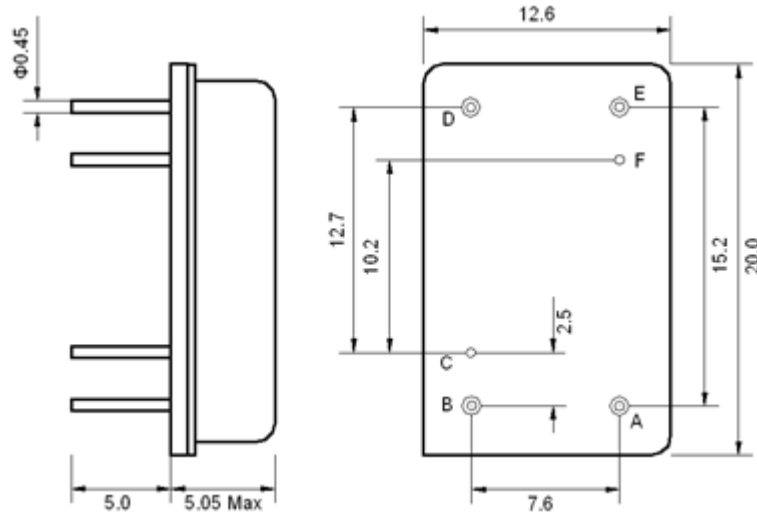
Electrical Characteristics

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	D			
Length x Width	mm ²	-	20.0 x 12.6	-
Height	mm	-	-	5.05

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	62.4	62.5	62.6
Insertion Loss at Fo	dB	-	23.0	25.0
Amplitude Ripple Variation within Fo ±9.90 MHz	dB _{p-p}	-	0.50	1.0
Group Delay Variation within Fo ±9.90 MHz	nsec	-	30	100
Absolute Delay at Fo	μsec	-	1.83	-
Temperature Coefficient	ppm/°C	-	-72	-
Bandwidth at -1.0 dB	MHz	20.00	20.27	-
Bandwidth at -3.0 dB	MHz	-	20.73	-
Bandwidth at -10.0 dB	MHz	-	21.46	-
Bandwidth at -40.0 dB	MHz	-	22.58	22.70
Attenuation Rejection				
Lower Sidelobe	dB	48	52	
Upper Sidelobe	dB	48	52	

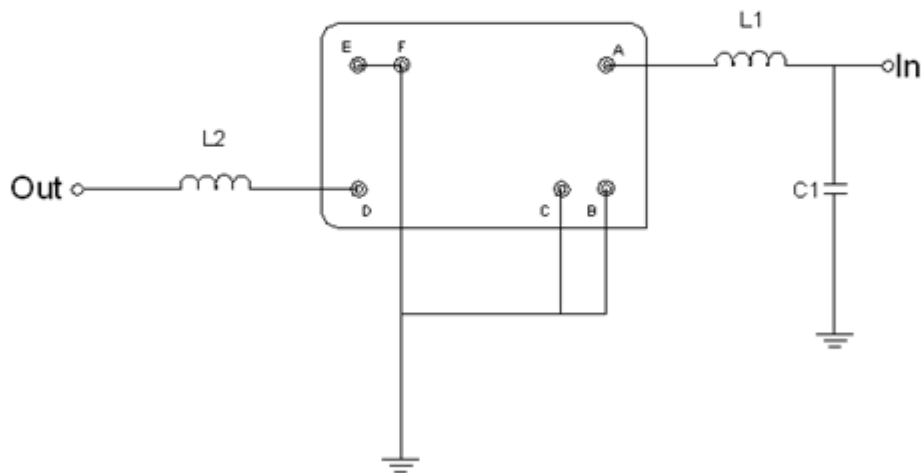
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



Pin Description	
B, C, D, F	Ground
A	Input
E	Output

Testing Environment

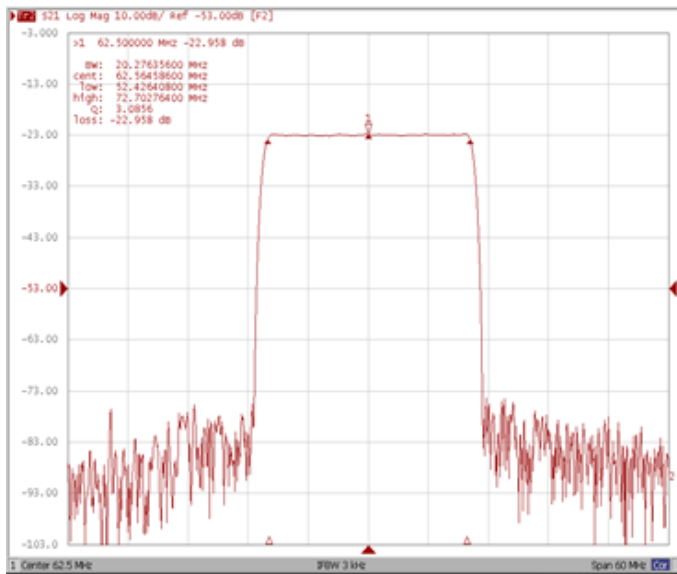


Test Fixture & Values	
Input	L1 = 270 nH, C1 = 6 pF
Output	L2 = 220 nH
Source/Load Impedance	50 Ω

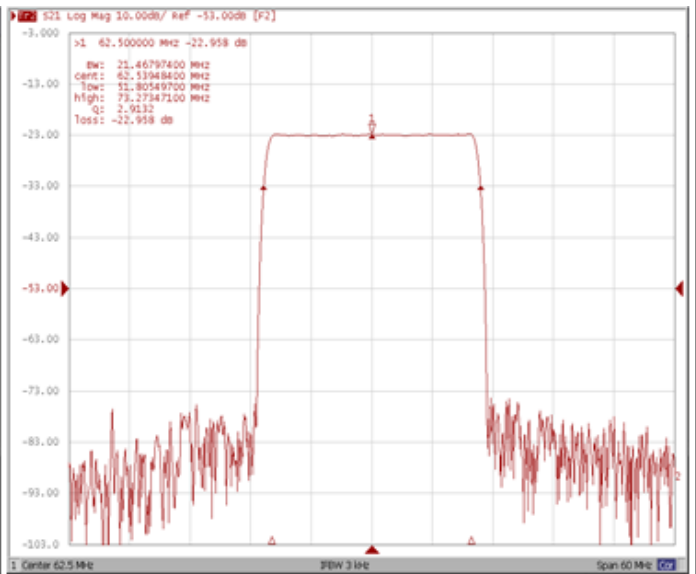
Frequency Characteristics

Frequency Response

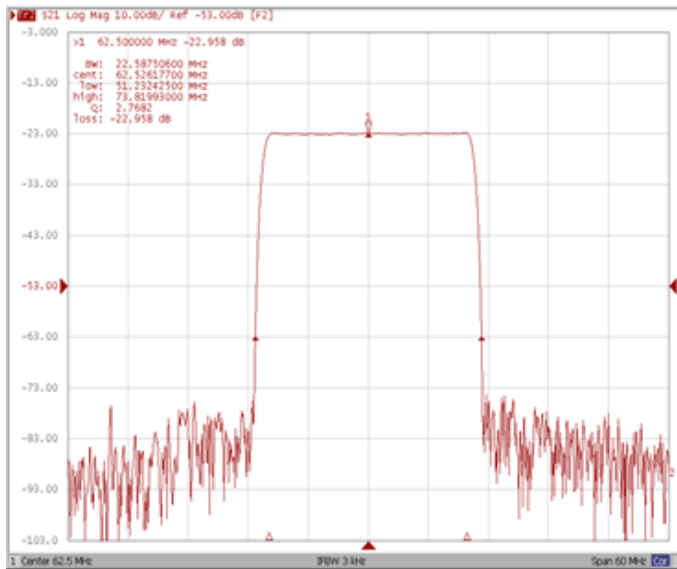
Bandwidth at -1.0 dB



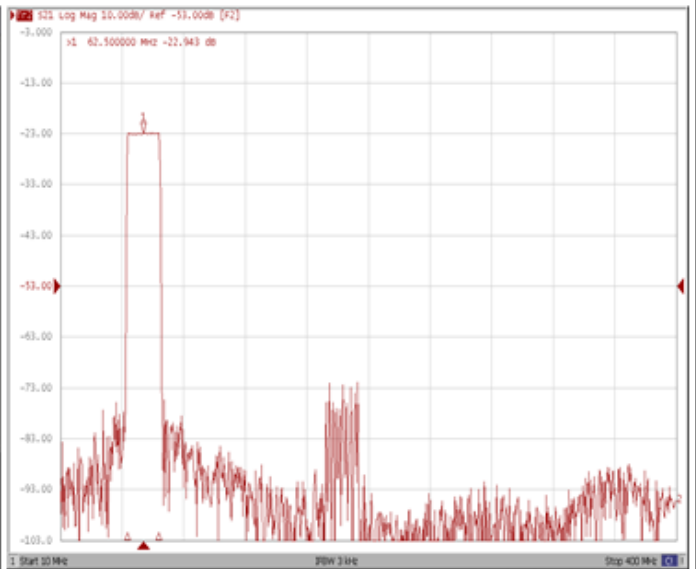
Bandwidth at -10.0 dB



Bandwidth at -40.0 dB



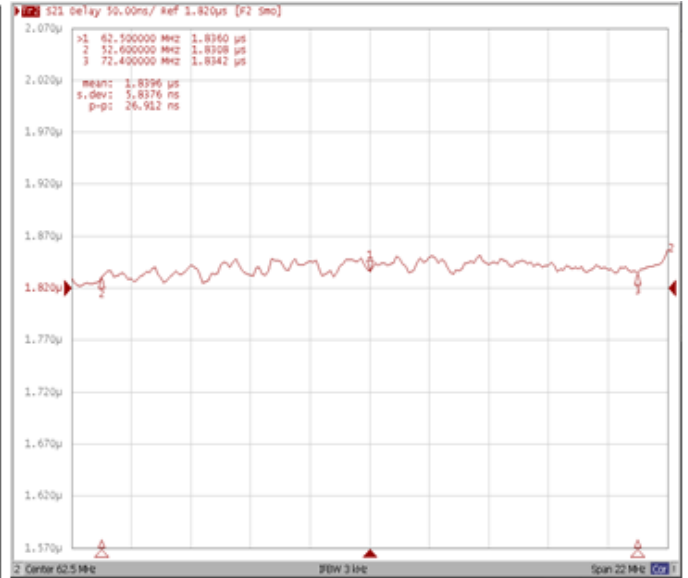
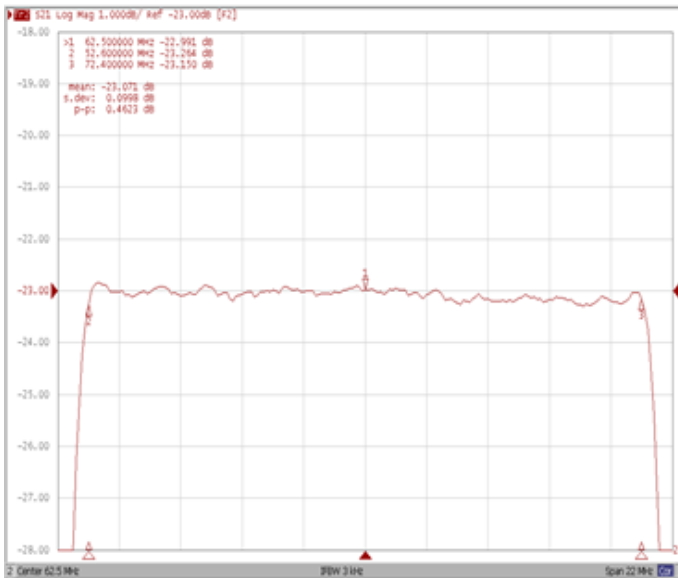
Wide-Band



Frequency Response

Ripple Variation Fo±9.90MHz

Group Delay Variation Fo±9.90MHz



Smith Chart

SWR

