

## Electrical Characteristics

### Maximum Ratings

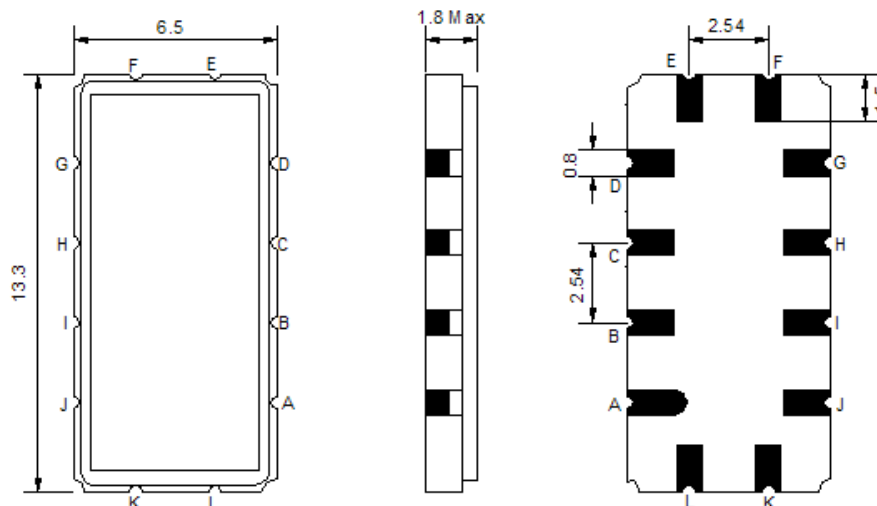
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0		60
Storage Temperature Range	°C	-30	-	80
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Package type & size	V			
Length x Width	mm <sup>2</sup>	-	13.3 x 6.5	-
Height	mm	-	-	1.8

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	62.42	62.5	62.58
Insertion Loss at Fo	dB	-	11.8	14.0
Group Delay Variation (Fo $\pm$ 3MHz)	ns	-	65	130
Absolute Delay	us	-	1.25	-
Passband Ripple (Fo $\pm$ 3MHz)	dB	-	0.40	1.00
Bandwidth at -1dB	MHz	6.00	6.55	-
Bandwidth at -3dB	MHz	-	7.10	-
Bandwidth at -40dB	MHz	-	9.34	10.00
Ultimate Rejection	dB	40	45	-
Temperature coefficient	ppm/°C	-	-86	-

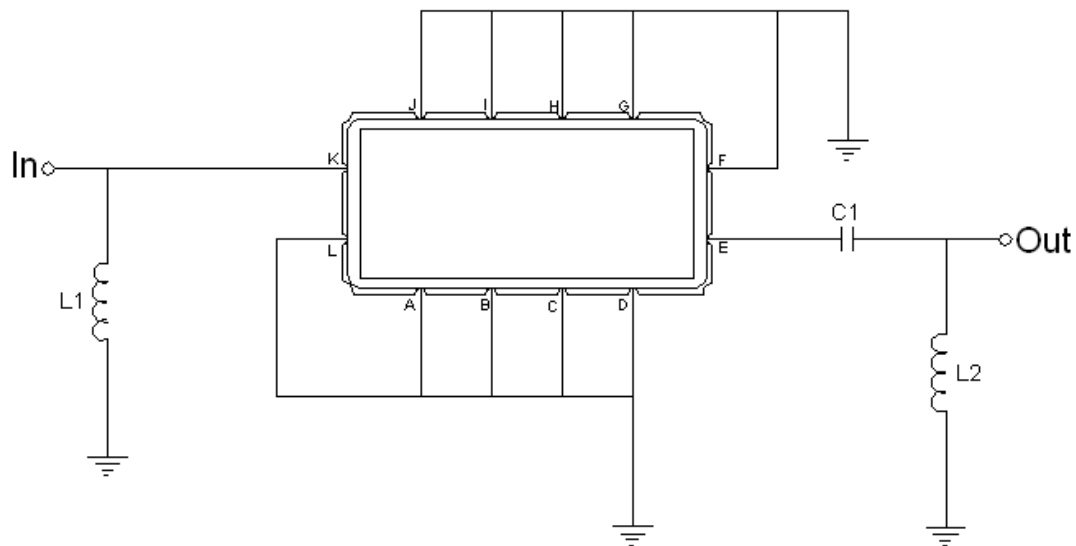
**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

## Package Dimensions



Pin Description	
A, B, C, D, F, G, H, I, J, L	Ground
K	Input
E	Output

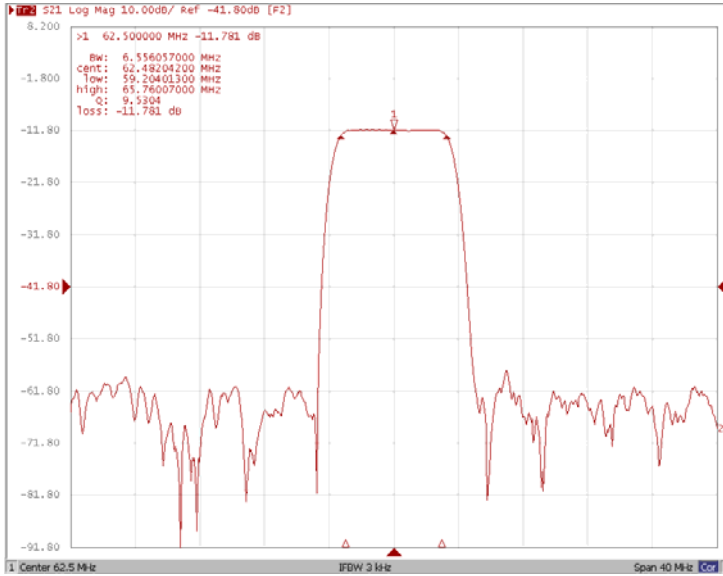
## Testing Environment



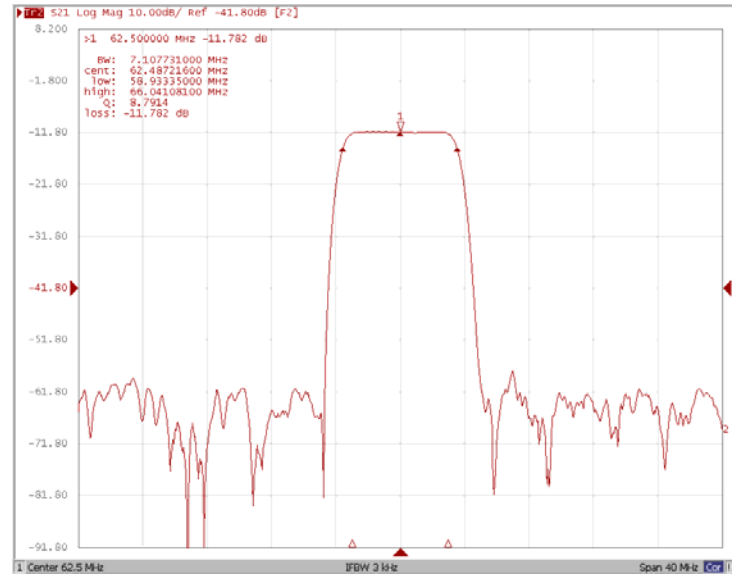
Test Fixture & Values	
Input	L1=270 nH
Output	L2=270 nH, C1=430 pF
Source/Load Impedance	50 $\Omega$

## Frequency Response

### Bandwidth at -1.0 dB



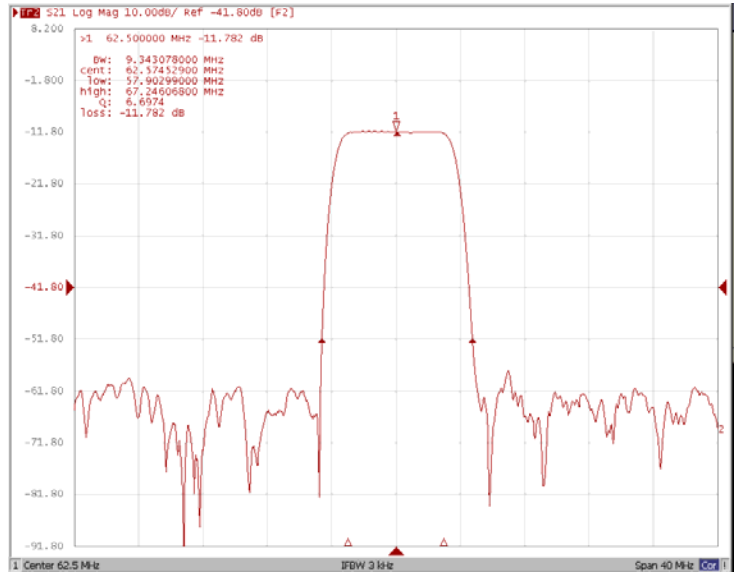
### Bandwidth at -3.0 dB



### Bandwidth at -20.0 dB

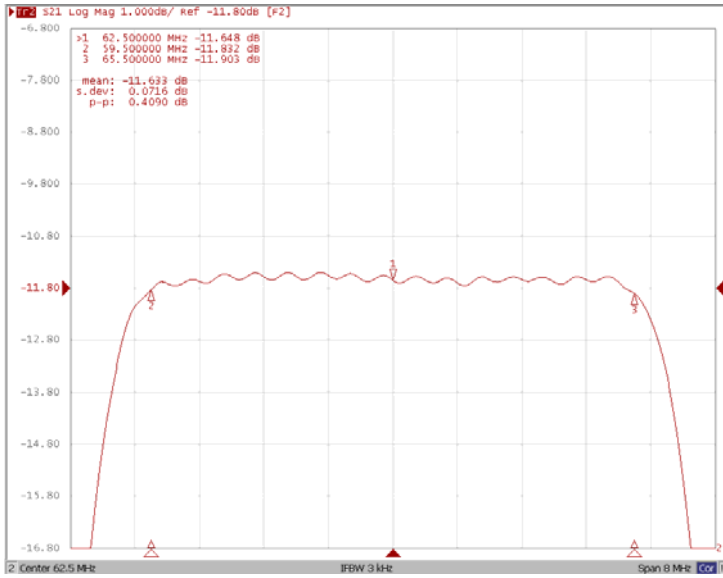


### Bandwidth at -40.0 dB

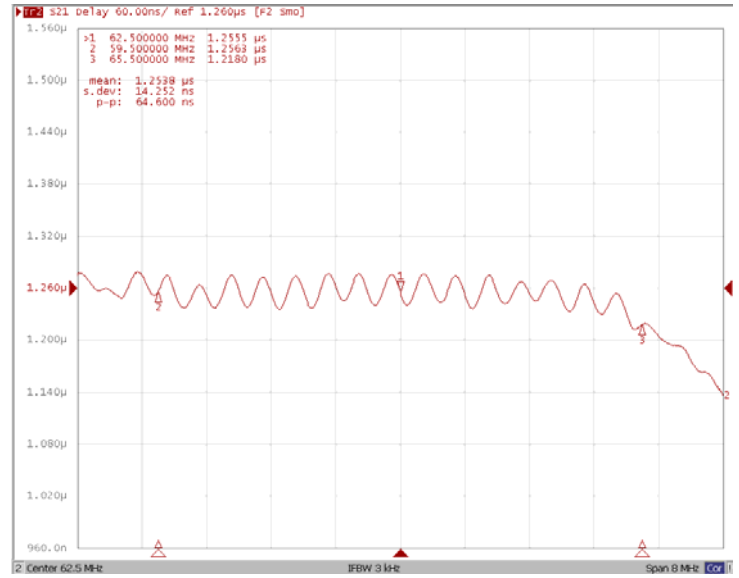


## Frequency Response

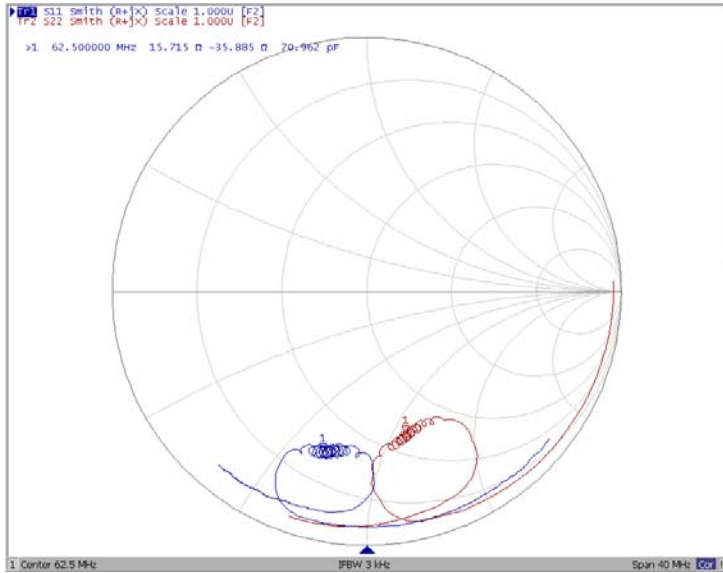
### Ripple Variation Fo±3MHz



### Group Delay Variation Fo±3MHz



### Smith Chart



### VSWR

