

## Electrical Characteristics

### Maximum Ratings

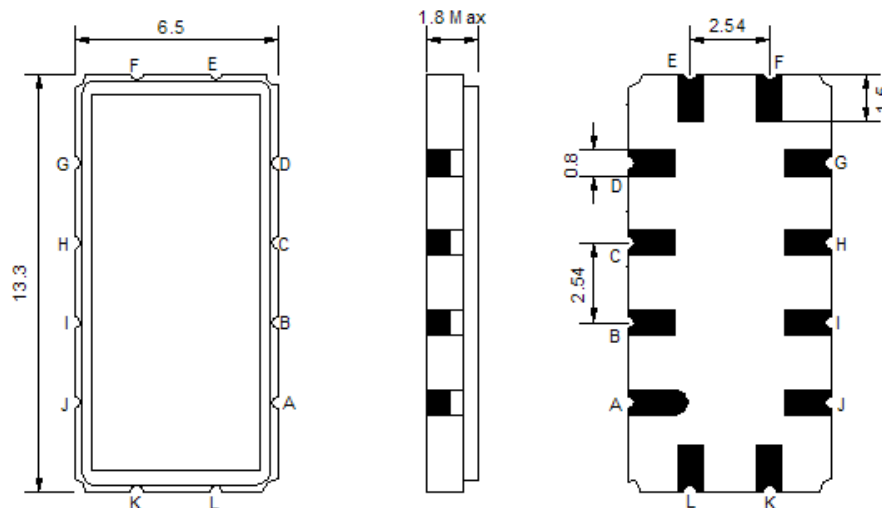
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0		70
Storage Temperature Range	°C	-45	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	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	-	184.00	-
Insertion Loss at Fo	dB	-	23.5	25.0
Group Delay Variation (Fo $\pm$ 2.5MHz)	ns	-	45	100
Absolute Delay	us	-	1.75	-
Passband Ripple (Fo $\pm$ 2.5MHz)	dB	-	0.25	0.80
Bandwidth at -1dB	MHz	5.00	5.65	-
Bandwidth at -3dB	MHz	-	6.00	-
Bandwidth at -40dB	MHz	-	7.40	-
Ultimate Rejection	dB	40	45	-
Relative Attenuation Fo $\pm$ 4MHz	dB	-	45	-

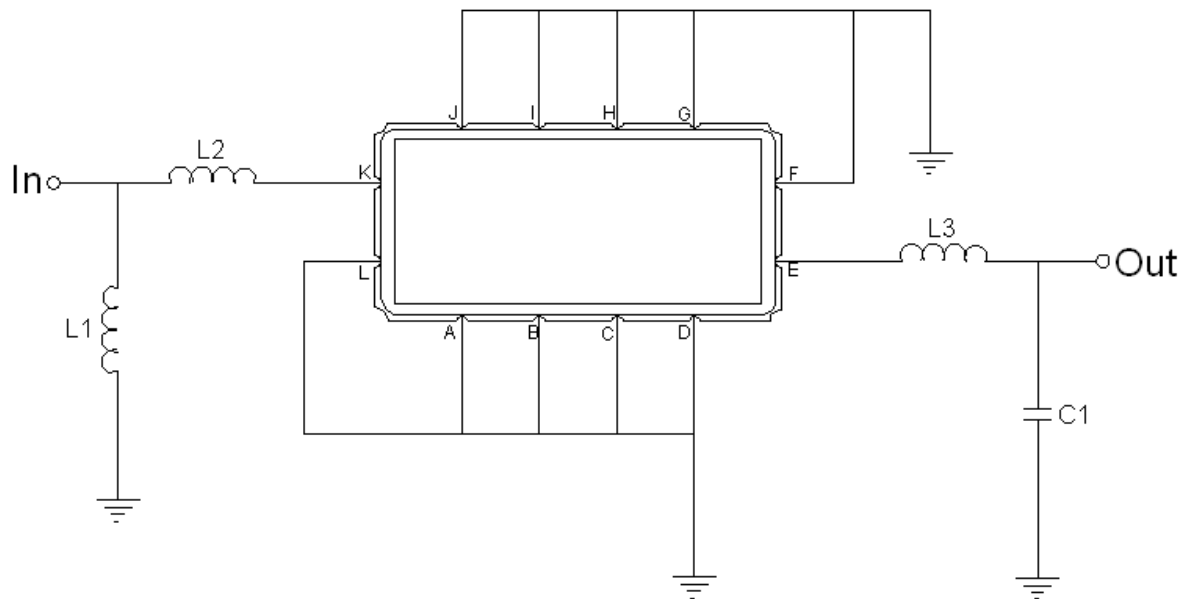
**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

## Package Dimensions



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

## Testing Environment

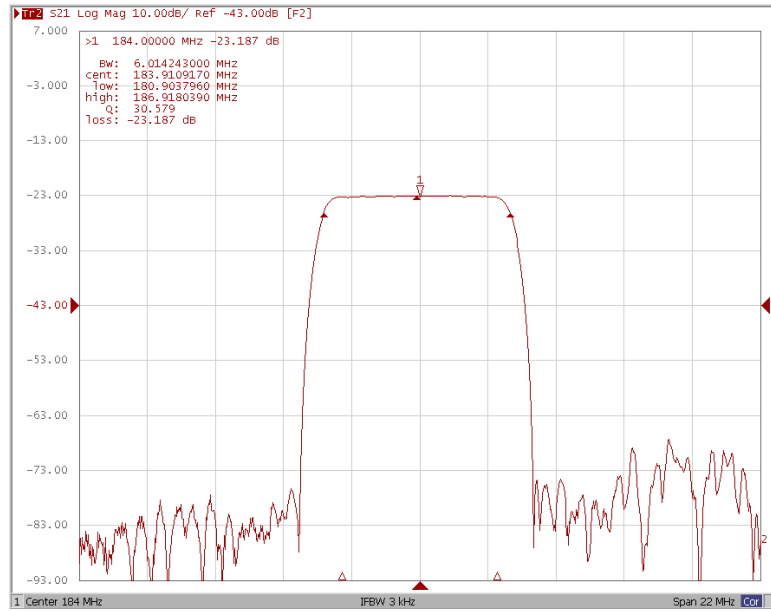
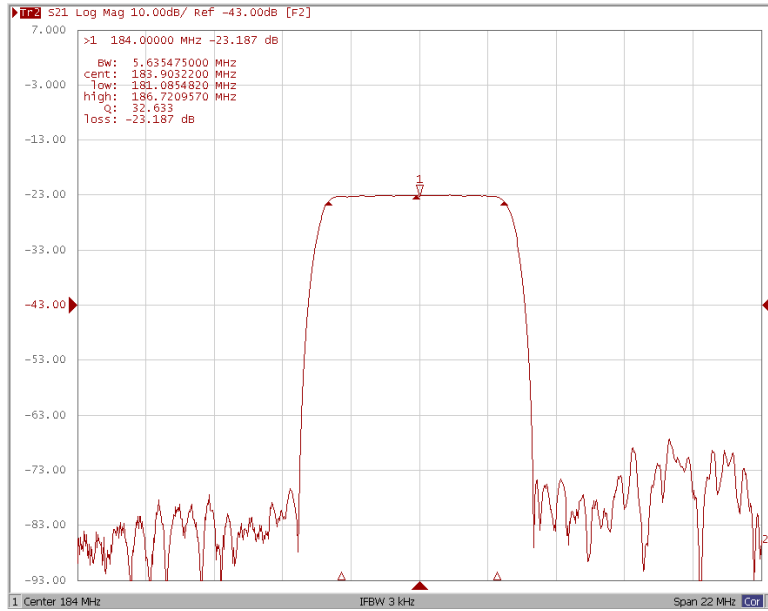


Test Fixture & Values	
Input	L1=18 nH, L2=27 nH
Output	L3=47 nH, C1=43 pF
Source/Load Impedance	50 $\Omega$

## Frequency Response

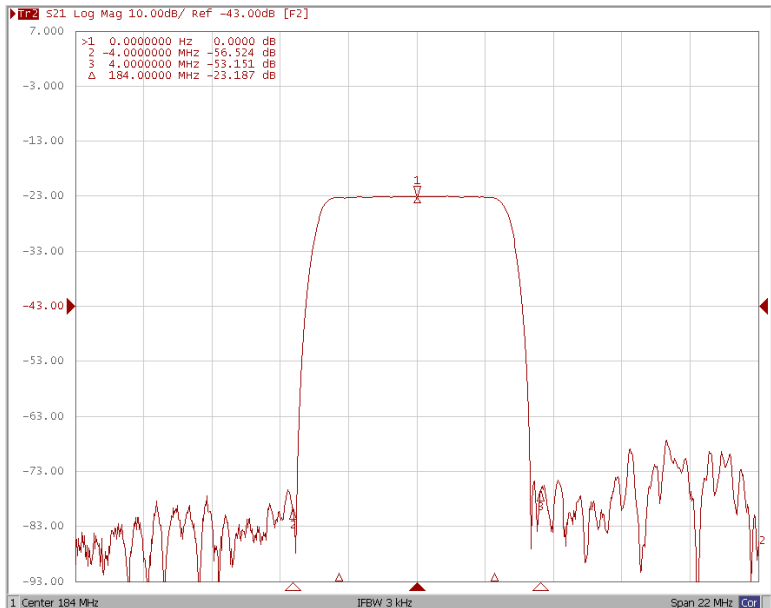
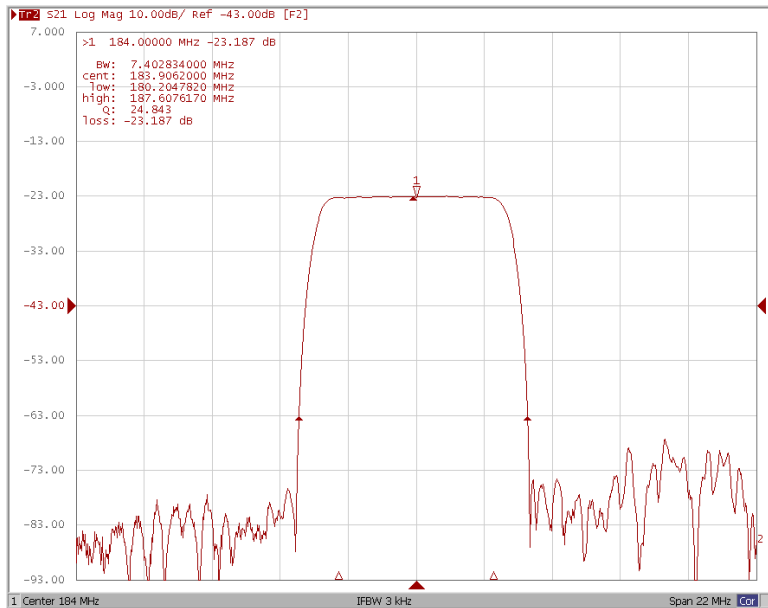
Bandwidth at -1.0 dB

Bandwidth at -3.0 dB



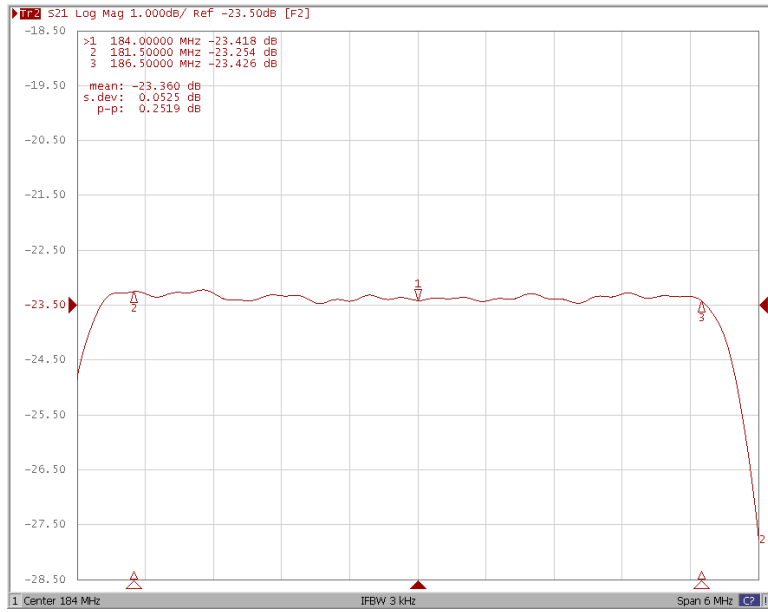
Bandwidth at -40.0 dB

Relative Attenuation  $F_{0\pm 4\text{MHz}}$

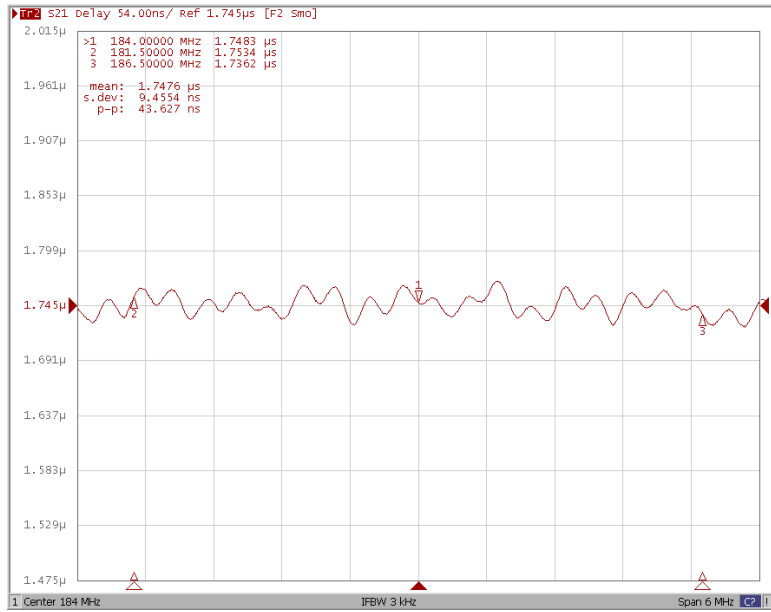


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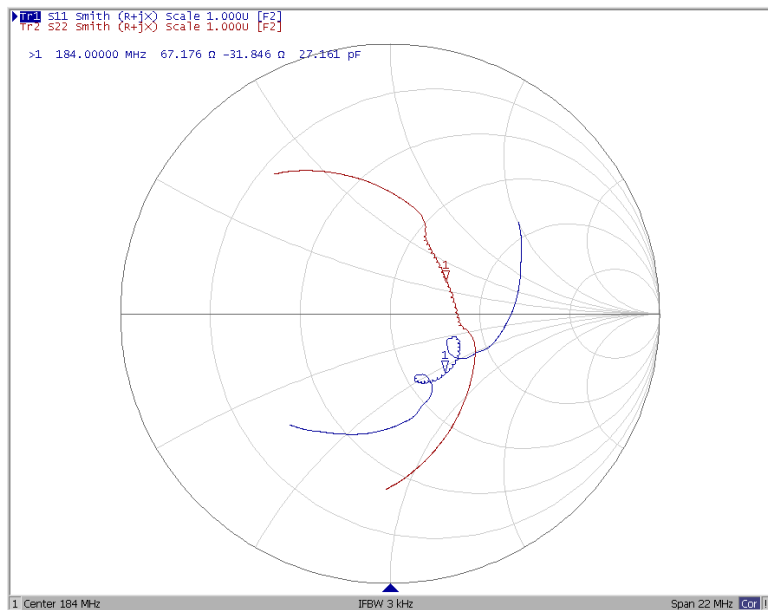
### Ripple Variation Fo±2.5MHz



### Group Delay Variation Fo±2.5MHz



### Smith Chart



### VSWR

