❒ Electrical Characteristics

Maximum Ratings

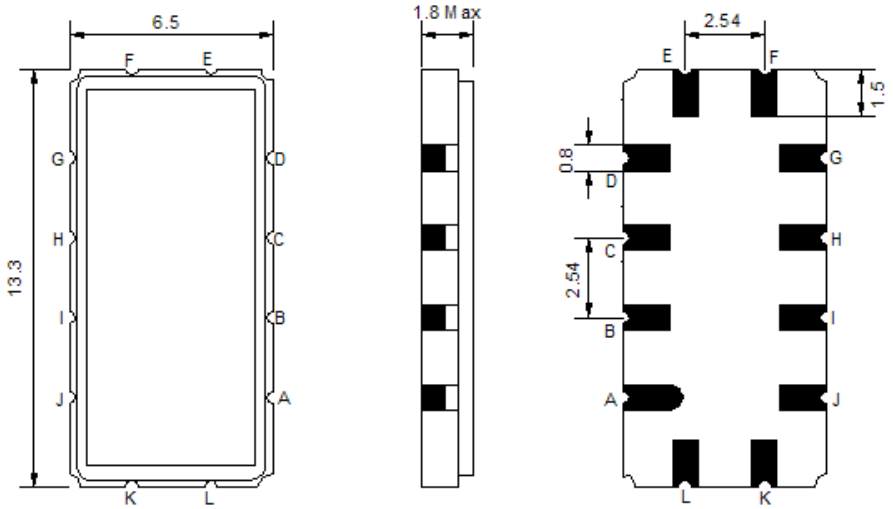
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	60
Storage Temperature Range	°C	-20	-	70
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	V			
Length x Width	mm²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	91.25	-
Insertion Loss at Fo	dB	-	20.3	22.5
Group Delay Variation (Fo±0.75MHz)	ns	-	52	100
Absolute Delay	us	-	1.80	-
Temperature Coefficient	ppm/°C		-0.03	
Passband Ripple (Fo±0.75MHz)	dB	-	0.17	1.00
Bandwidth at -1dB	MHz	1.5	2.08	-
Bandwidth at -30dB	MHz	-	3.42	-
Bandwidth at -45dB	MHz	-	3.60	5.5
Ultimate Rejection	dB	-	45	-
Relative Attenuation Fo±1.75MHz/ Fo±2.75MHz	dB	-	32 / 55	-

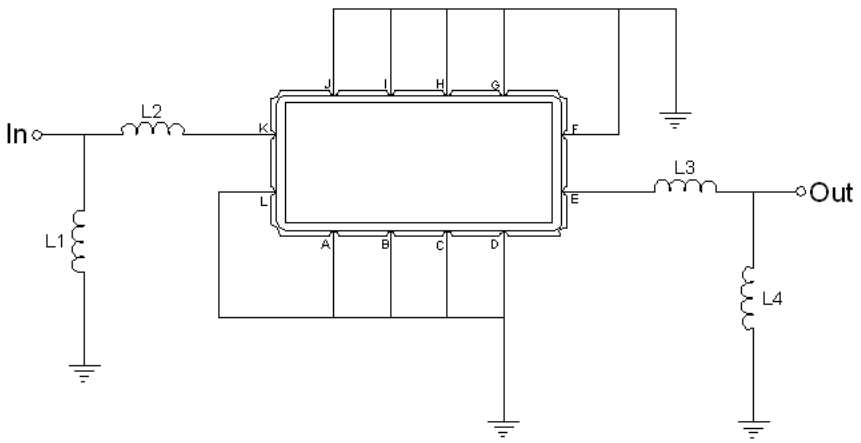
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

❒ Package Dimensions



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

❒ Testing Environment

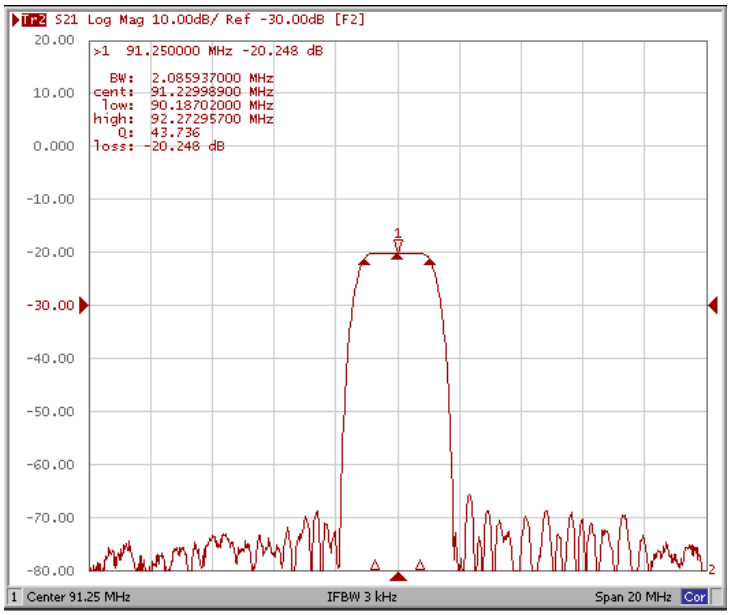


Test Fixture & Values	
Input	L1=82nH, L2=150nH
Output	L3=120nH, L4=68nH
Source/Load Impedance	50 Ω

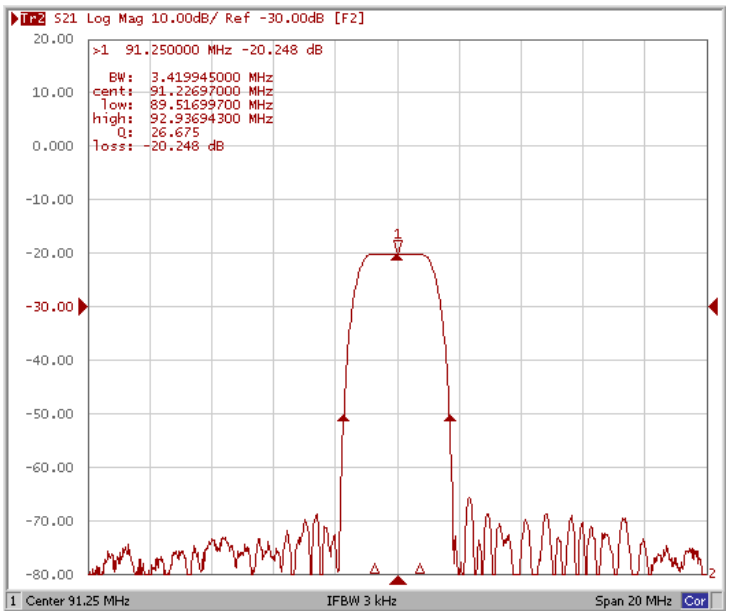
❒ Frequency Characteristics

Frequency Response

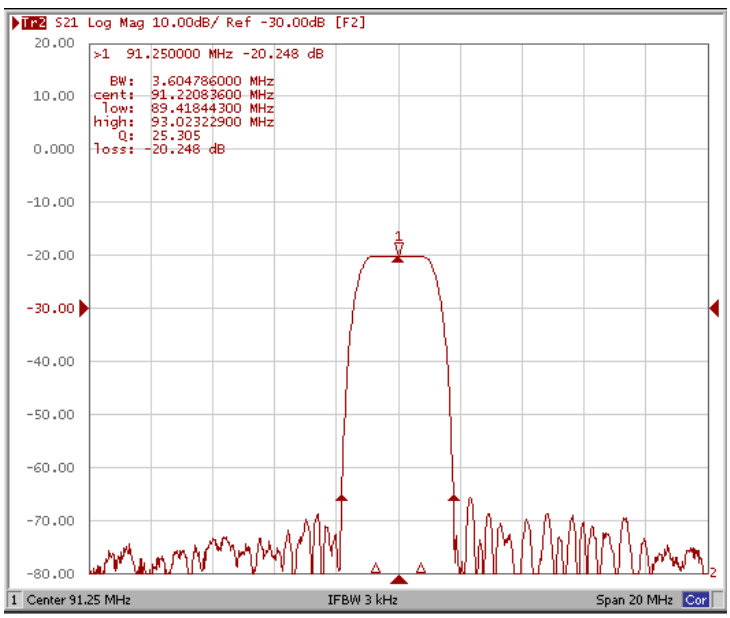
Bandwidth at –1.0 dB



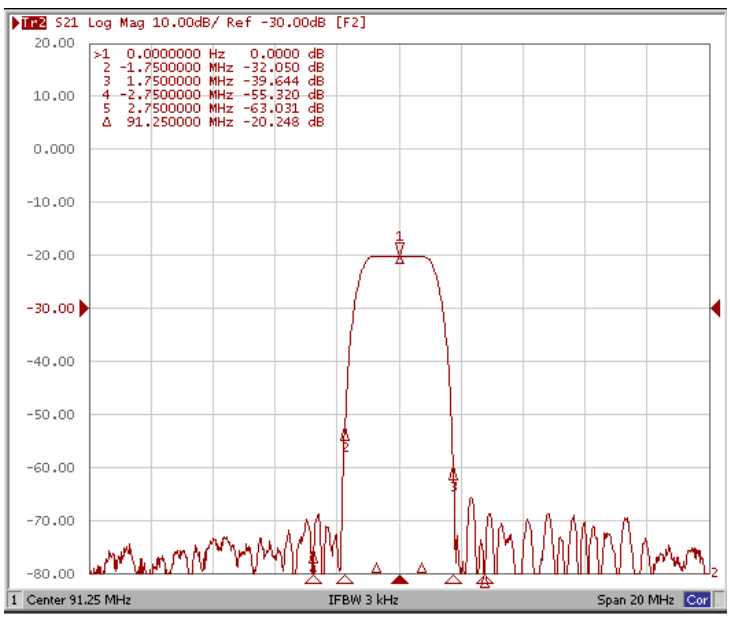
Bandwidth at –30.0 dB



Bandwidth at –45.0 dB



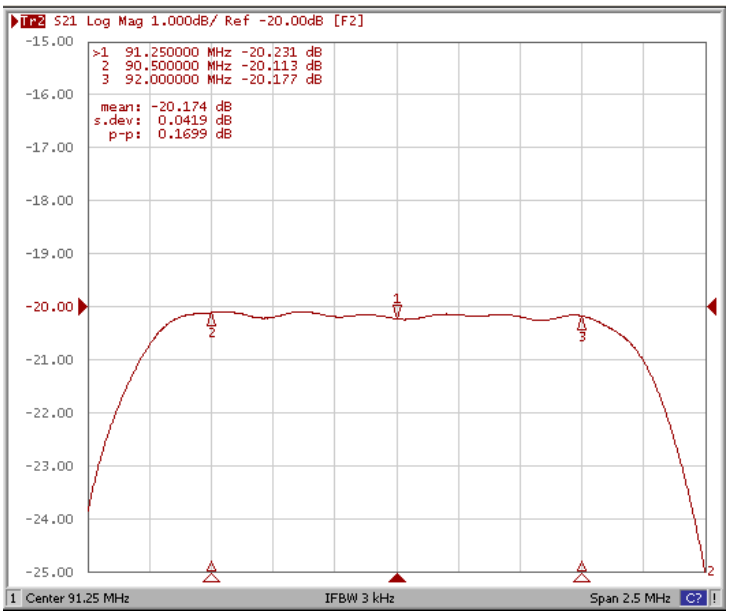
Relative Attenuation Fo±1.75MHz/ Fo±2.75MHz



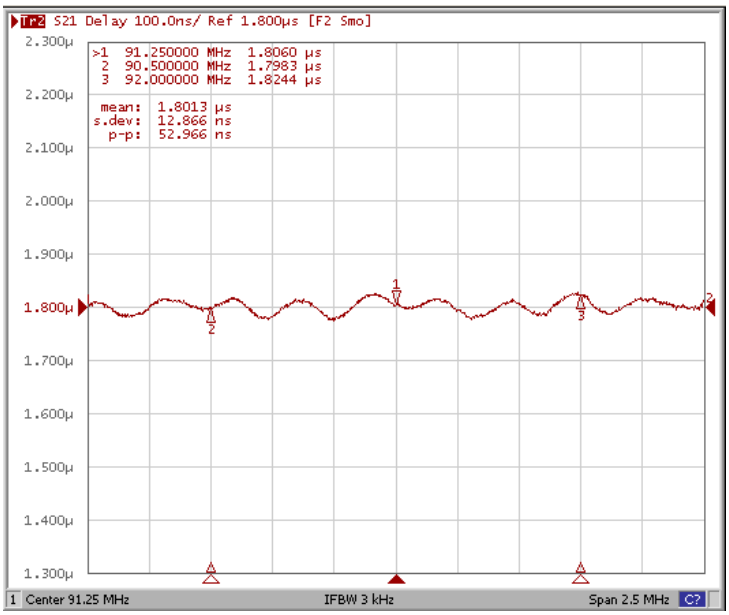
❒ Frequency Characteristics

Frequency Response

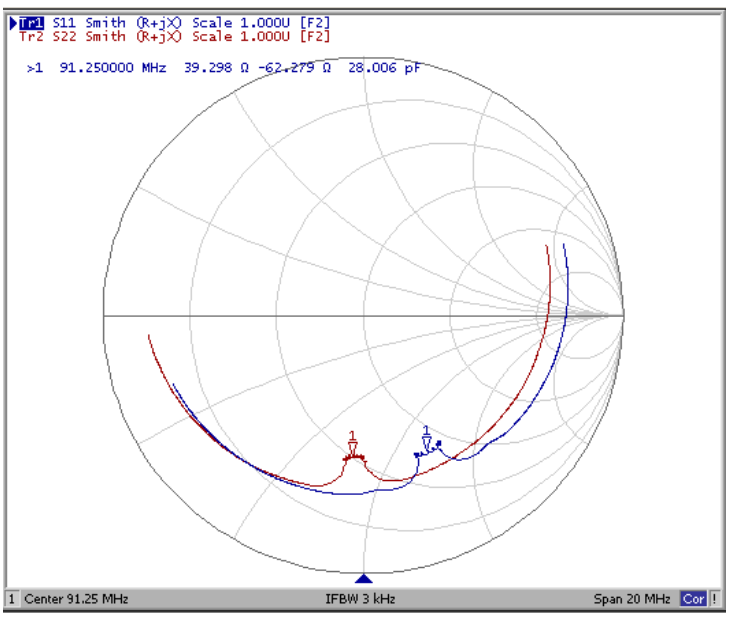
Ripple Variation Fo±0.75



Group Delay Variation Fo±0.75



Smith Chart



VSWR