- **65.0 MHz IF SAW Filter / 29.55 MHz Bandwidth**
- **Revision 0: 30. Nov. 2009**

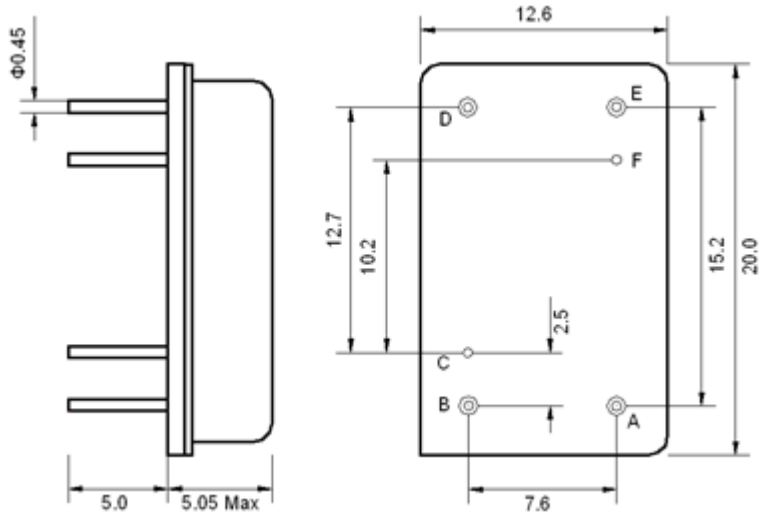
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	-5	-	70
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	mm²	-	20.0 x 12.6	-
Height	mm	-	-	5.05

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	65.0	-
Insertion Loss at Fo	dB	-	29.5	-
Group Delay Variation at Fo ± 14.32 MHz	nsec	-	32	100
Absolute Delay at Fo	usec	-	2.47	-
Passband Ripple Variation at Fo ± 14.32 MHz	dB	-	0.57	1.00
Bandwidth at -1dB	MHz	29.30	29.55	-
Bandwidth at -3dB	MHz	-	29.85	-
Bandwidth at -40dB	MHz	-	31.38	31.45
Ultimate Rejection	dB	46	50	-
Temperature Coefficient	ppm/°C	-	-72	-

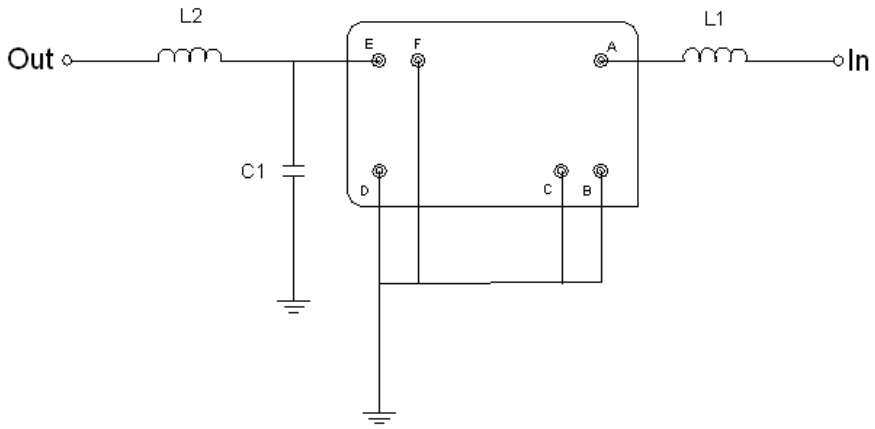
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



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

Testing Environment

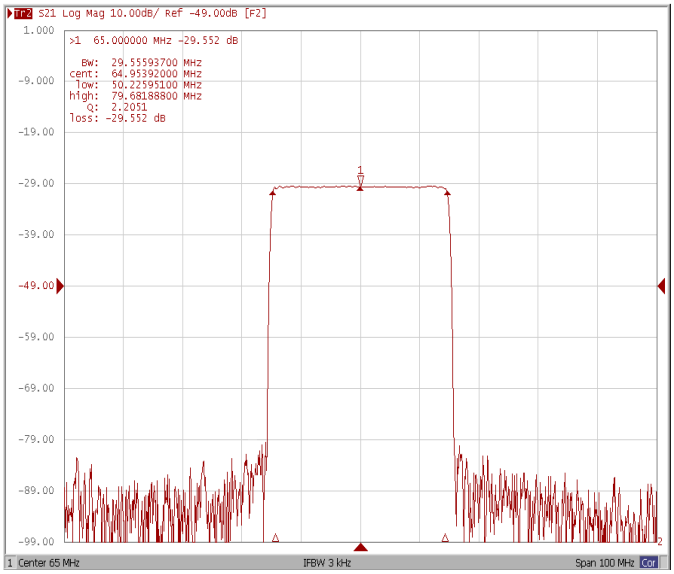


Test Fixture & Values	
Input	L1 = 150 nH
Output	L2 = 220 nH, C1 = 7.5 pF
Source/Load Impedance	50 Ω

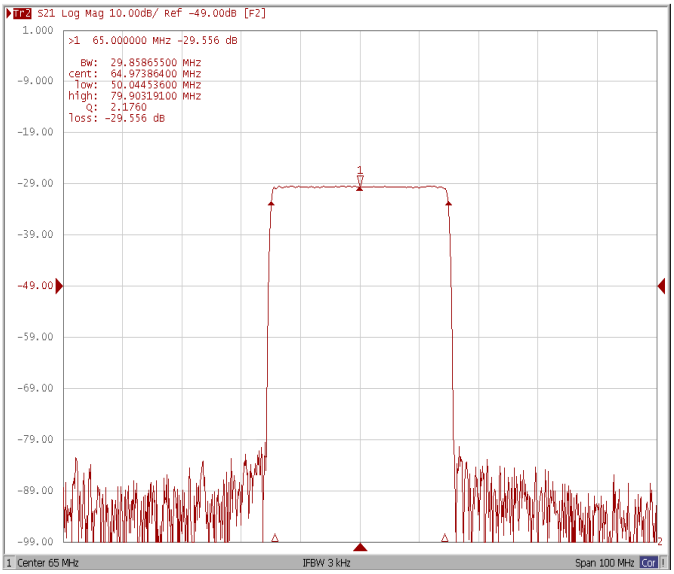
Frequency Characteristics

Frequency Response

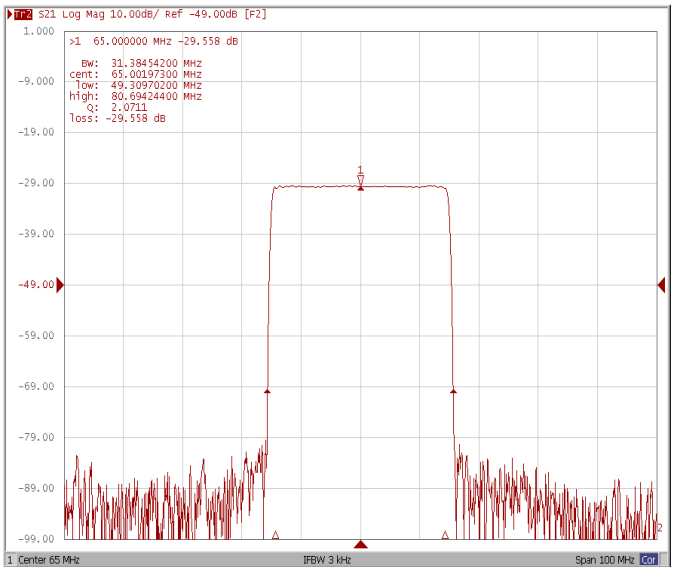
Bandwidth at –1.0 dB



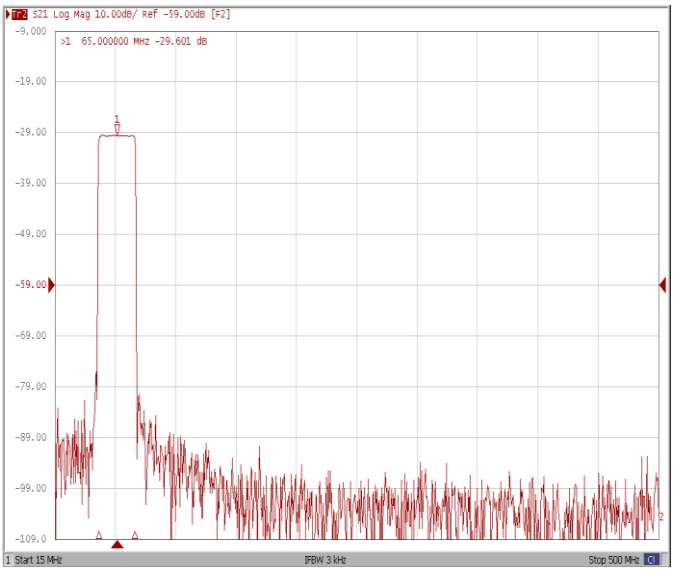
Bandwidth at –3.0 dB



Bandwidth at –40.0 dB



Wide-Band



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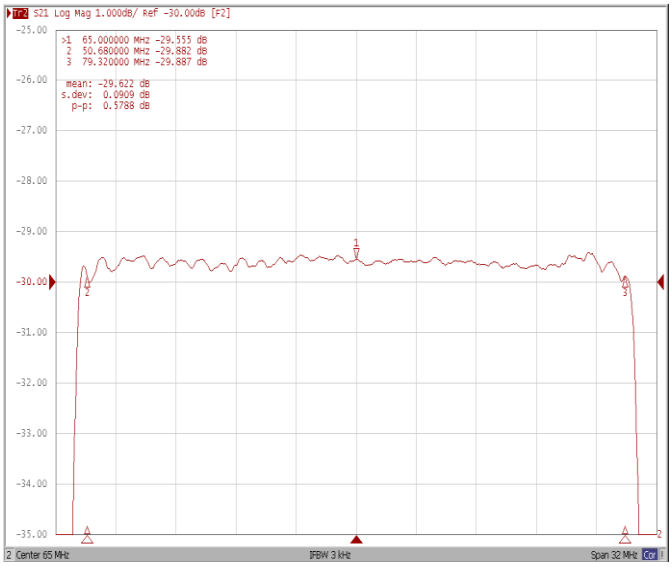
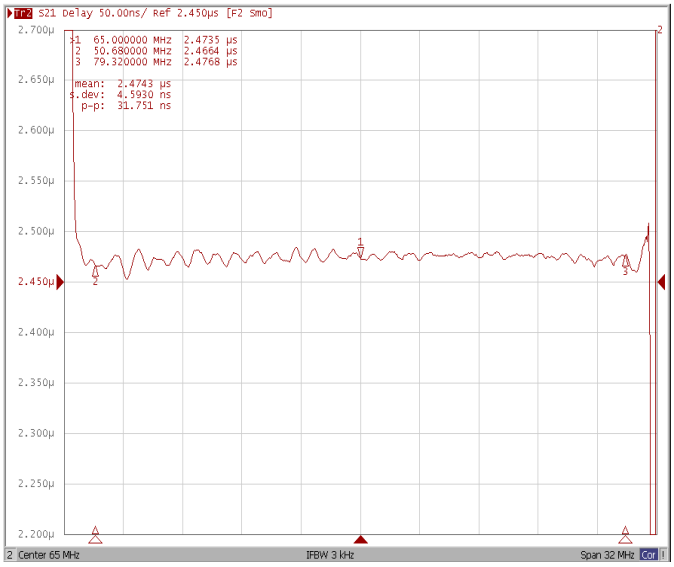
RoHS Compliant

Frequency Response

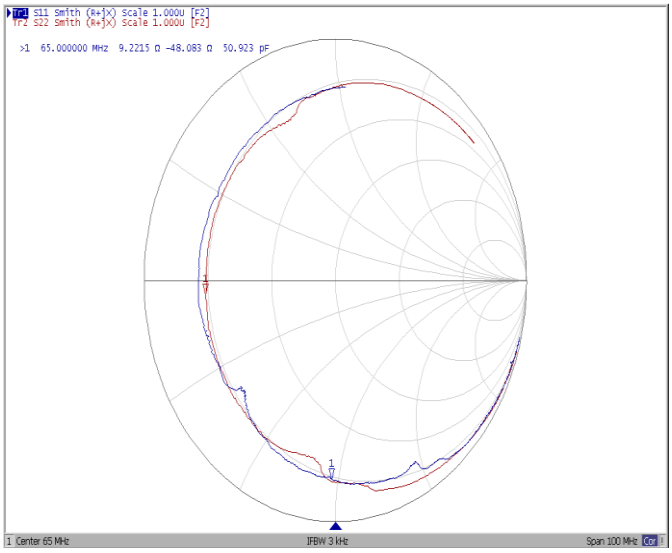
Ripple Variation Fo±14.32 MHz



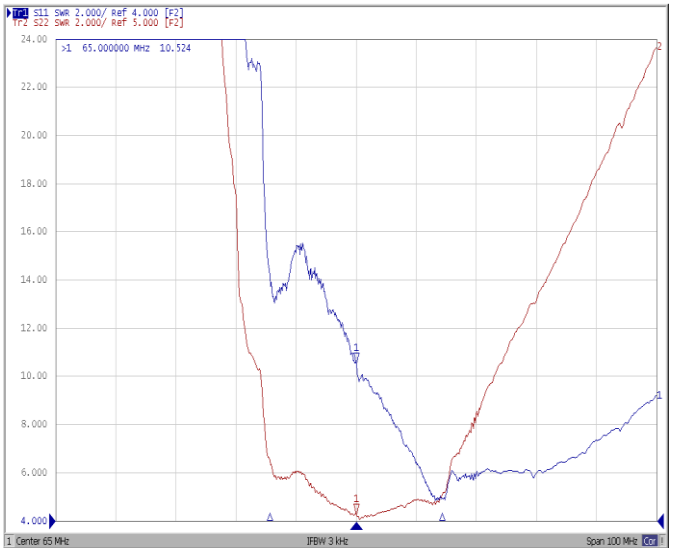
Group Delay Variation Fo±14.32 MHz



Smith Chart



VSWR



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