- **44.0 MHz IF SAW Filter / 6.49 MHz Bandwidth**
- **Revision 0: 16 OCT. 2009**

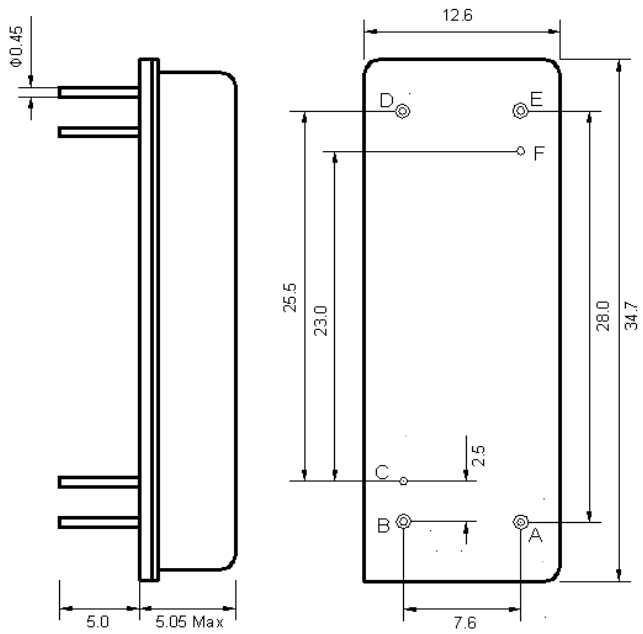
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	-30	-	80
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	F			
Length x Width	mm²	-	34.7 x 12.6	-
Height	mm	-	-	5.05

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	44.0	-
Insertion Loss at Fo	dB	-	25.90	28.00
Group Delay Variation (Fo±3.00MHz)	ns	-	50	90
Absolute Delay Time at Fo	us	-	2.67	-
Amplitude Ripple (Fo±3.00MHz)	dB	-	0.40	0.90
Bandwidth at -1dB	MHz	6.30	6.49	-
Bandwidth at -3dB	MHz	-	6.84	-
Bandwidth at -40dB	MHz	-	8.21	8.40
Bandwidth at -50dB	MHz	-	8.34	8.50
Relative Attenuation:				
Lower Sidelobe	dB	50	55	-
Upper Sidelobe	dB	50	55	-
Temperature Coefficient	ppm/°C	-	-94	-

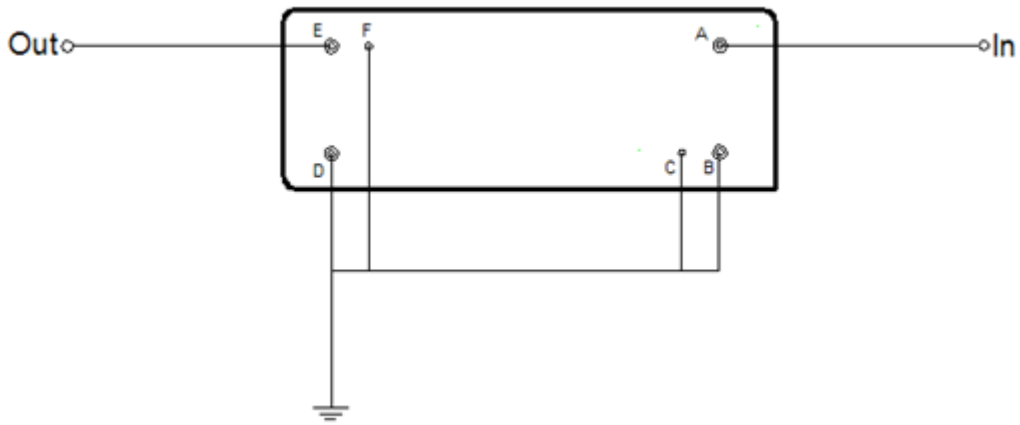
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



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

Testing Environment

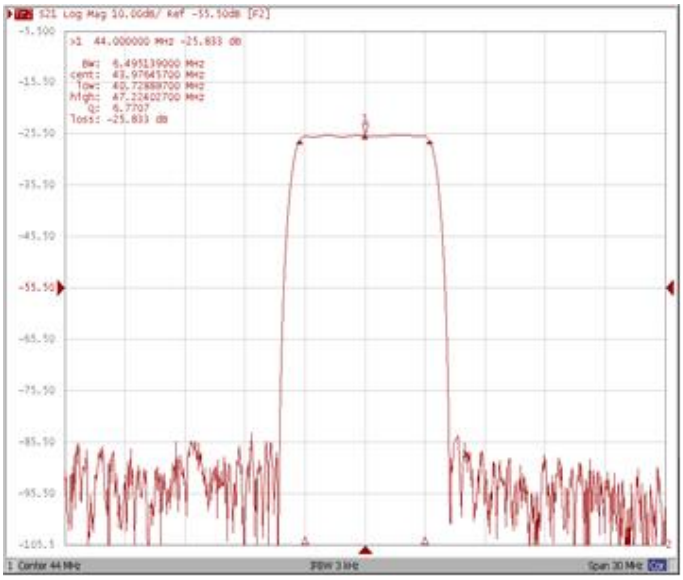


Source & Load Impedance: 50

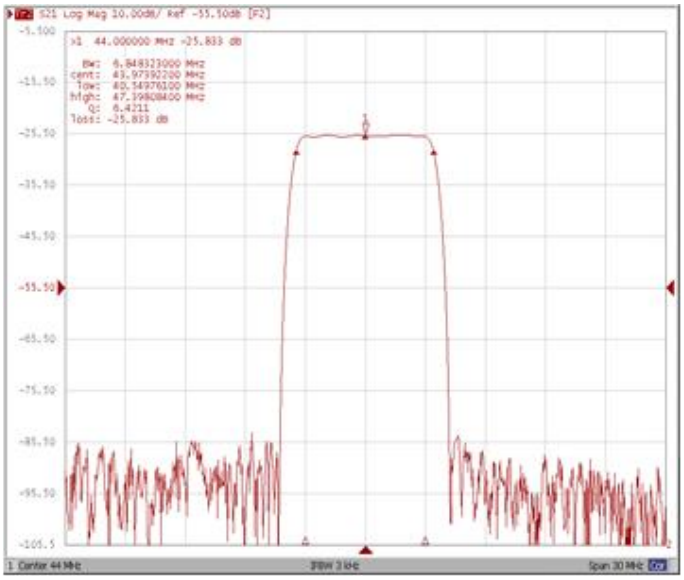
Frequency Characteristics

Frequency Response

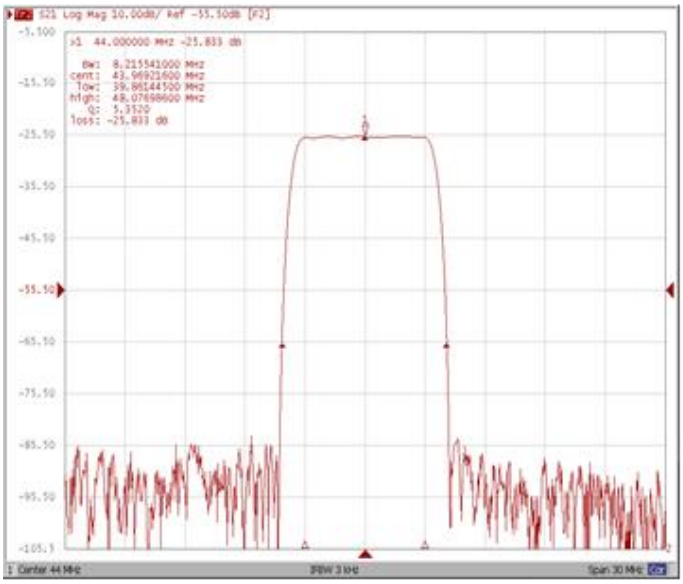
Bandwidth at –1.0 dB



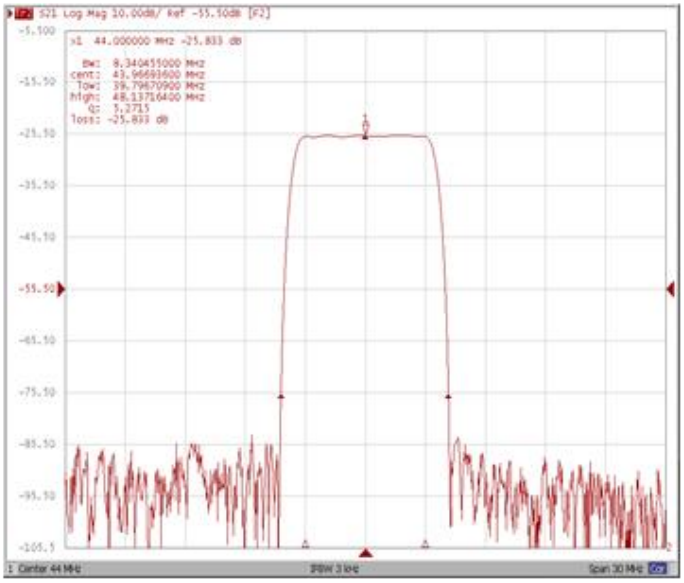
Bandwidth at –3.0 dB



Bandwidth at –40.0 dB

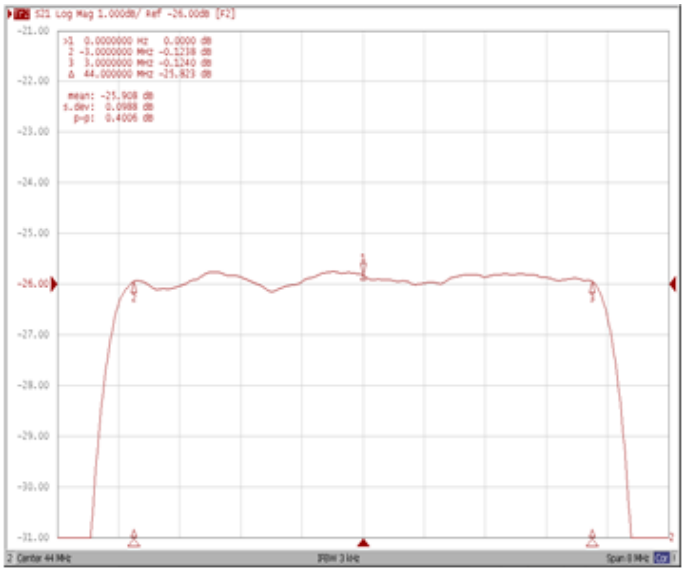


Bandwidth at –50.0 dB

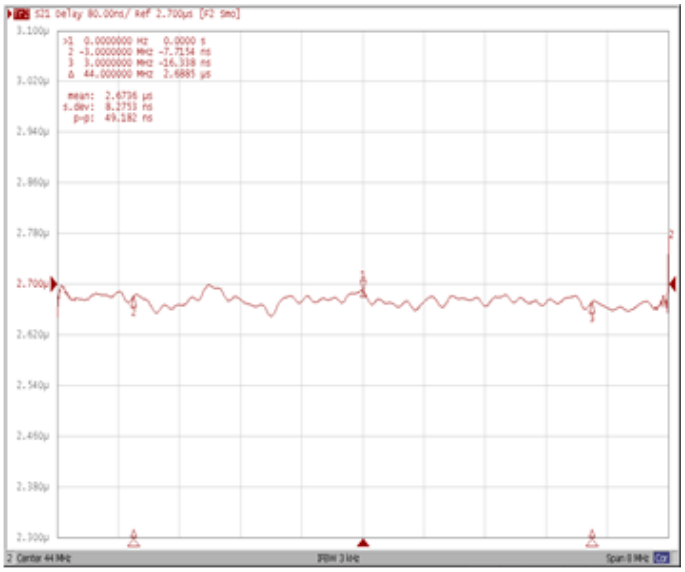


Frequency Response

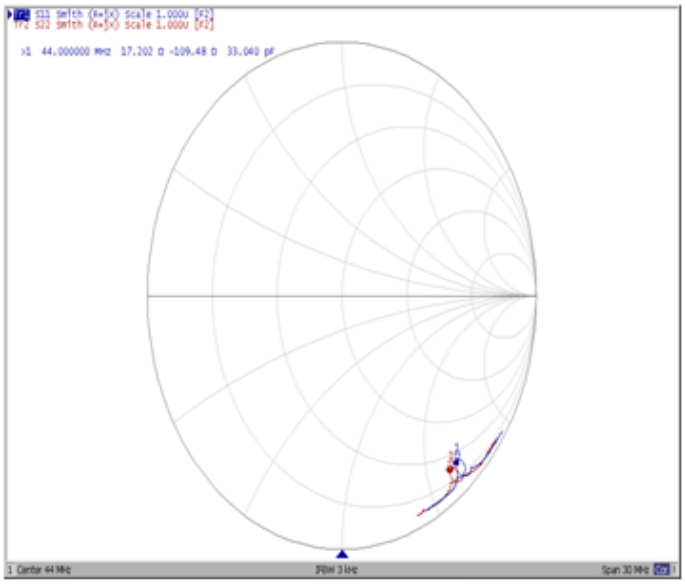
Ripple Variation Fo±3.00MHz



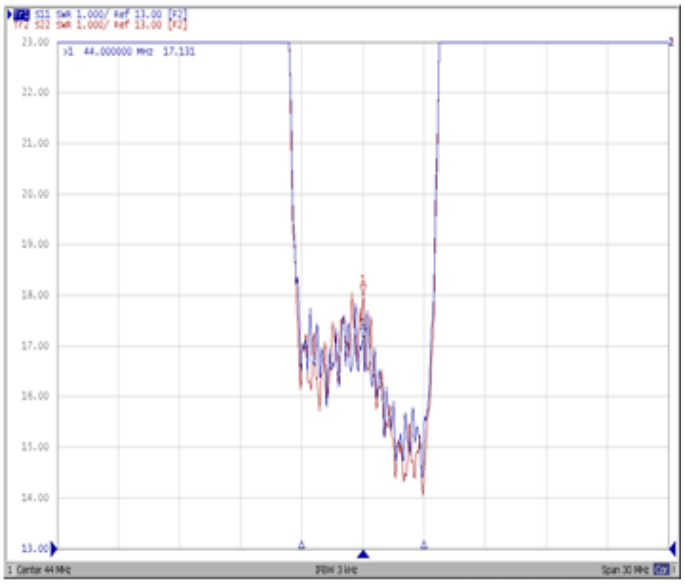
Group Delay Variation Fo±3.00MHz



Smith Chart



VSWR



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