- **43.0 MHz IF SAW Filter / 6.50 MHz Bandwidth**
- **Revision 0: 29 September 2008**

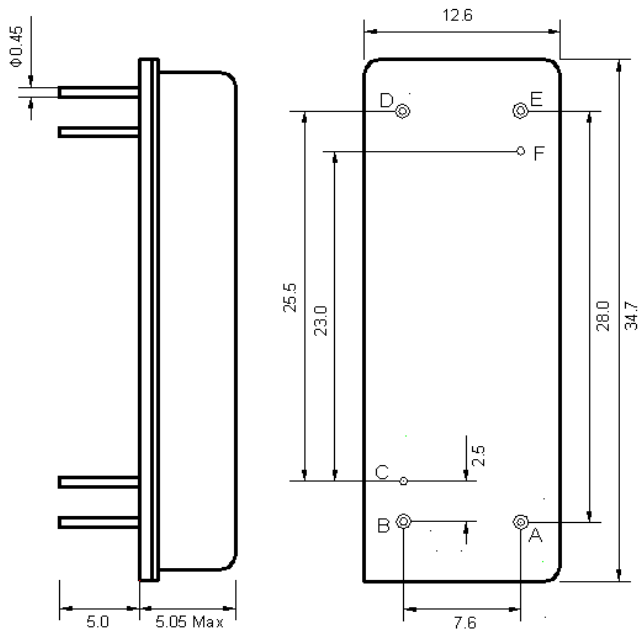
Electrical Characteristics

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	-	43.00	-
Insertion Loss at Fo	dB	-	26.80	28.00
Amplitude Ripple Variation at Fo ±3.00 MHz	dB_{p-p}	-	0.45	0.90
Group Delay Variation at Fo ±3.00 MHz	nsec	-	50	90
Absolute Delay at Fo	µsec	-	2.61	-
Bandwidth at –1.0 dB	MHz	6.30	6.50	-
Bandwidth at –3.0 dB	MHz	-	6.85	-
Bandwidth at –40.0 dB	MHz	-	8.20	8.40
Bandwidth at –50.0 dB	MHz	-	8.30	8.50
Relative Attenuation:				
Lower Sidelobe	dB	50	55	-
Upper Sidelobe	dB	50	55	-
Temperature Coefficient	ppm/°C	-	-94	-

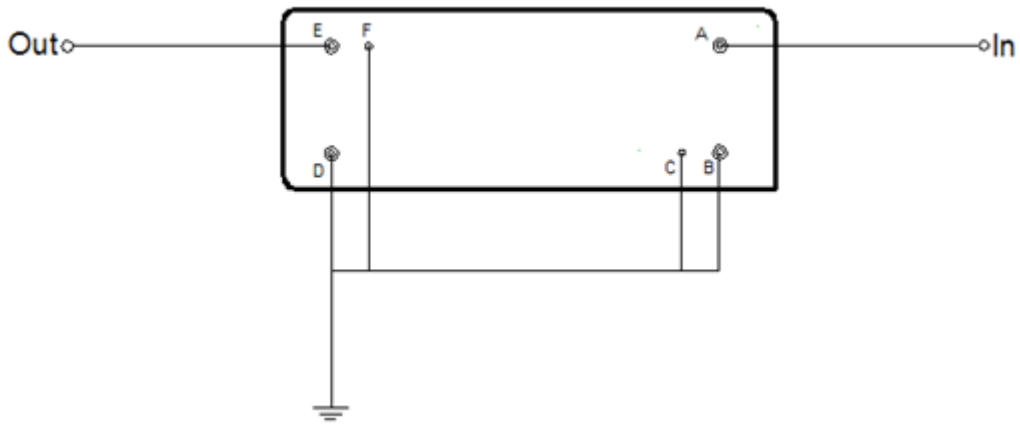
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



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

Testing Environment

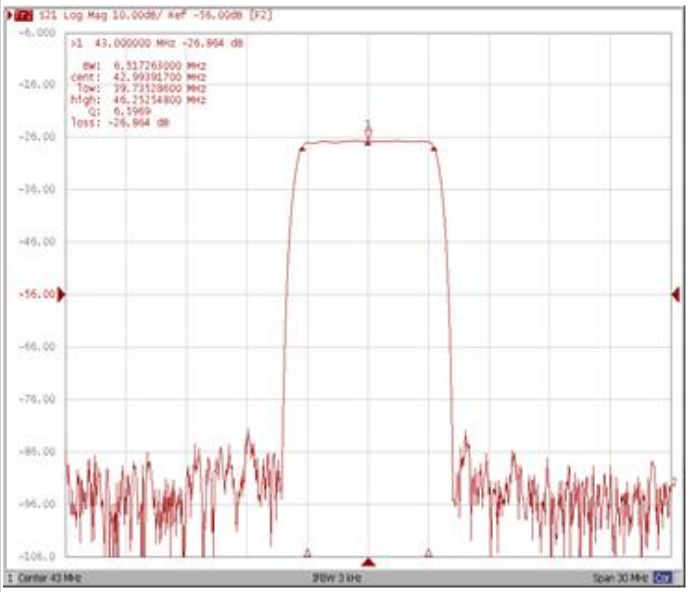


Source & Load Impedance: 50

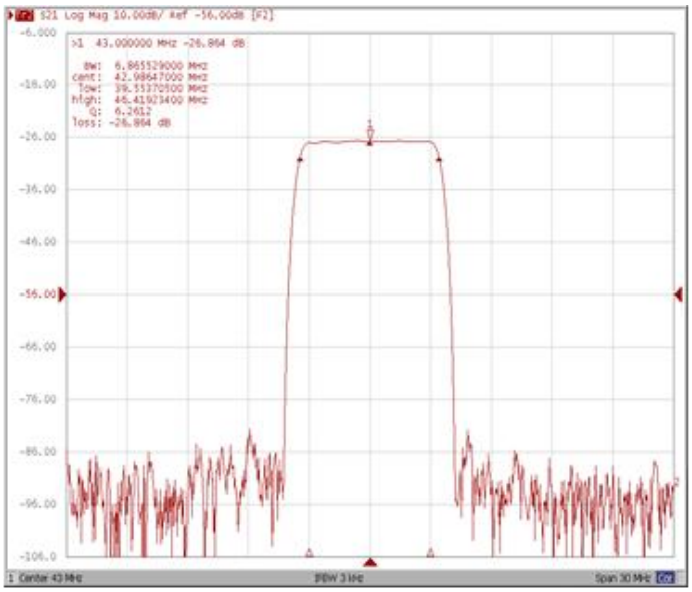
Frequency Characteristics

Frequency Response

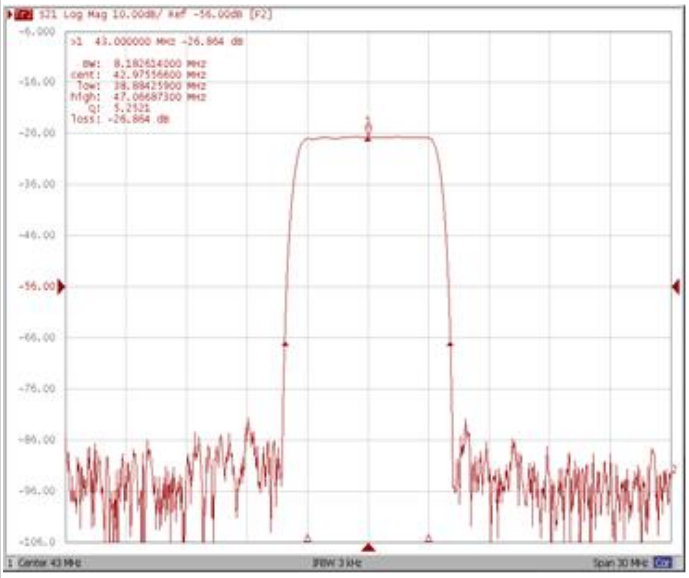
Bandwidth at –1.0 dB



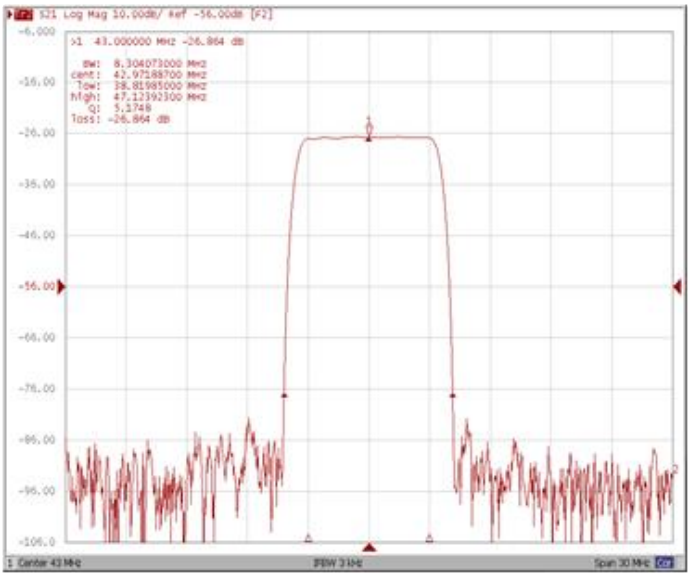
Bandwidth at –3.0 dB



Bandwidth at –40.0 dB

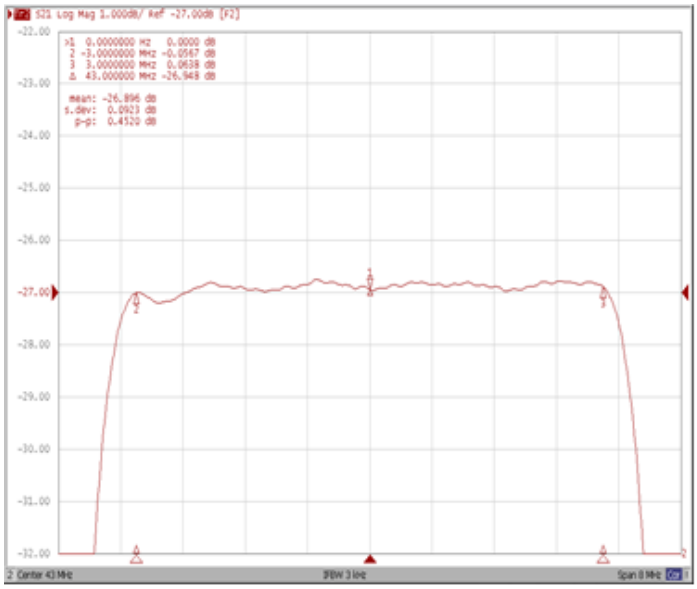


Bandwidth at –50.0 dB

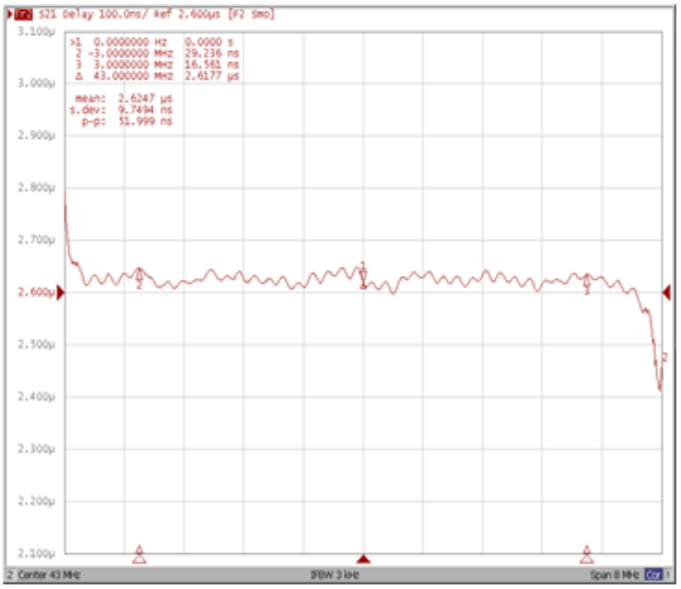


Frequency Response

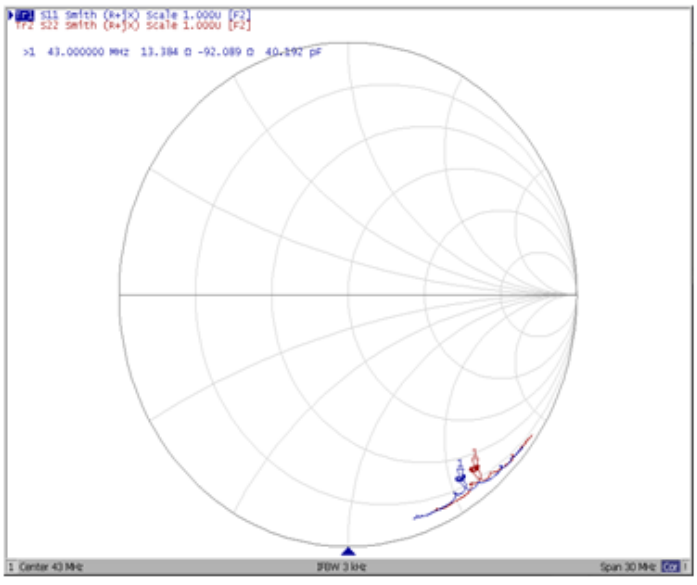
Ripple Variation Fo±3.00MHz



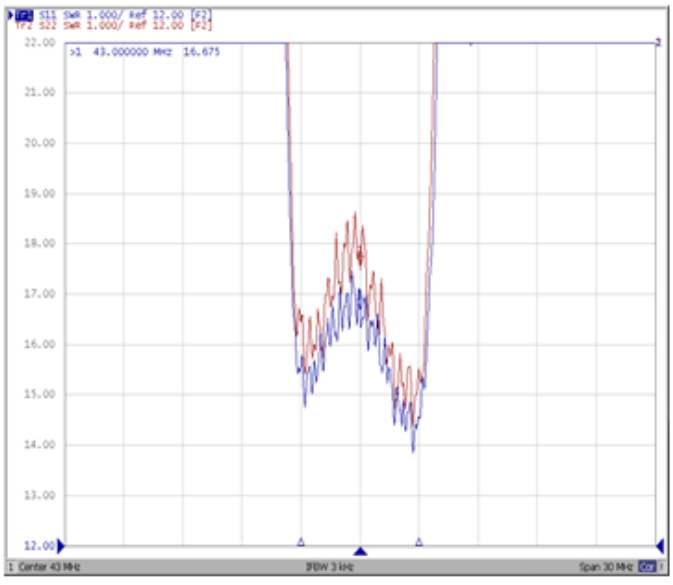
Group Delay Variation Fo±3.00MHz



Smith Chart



SWR



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