

- 98.0 MHz IF SAW Filter / 20.55 MHz Bandwidth
- Revision 0: 16 OCT. 2009

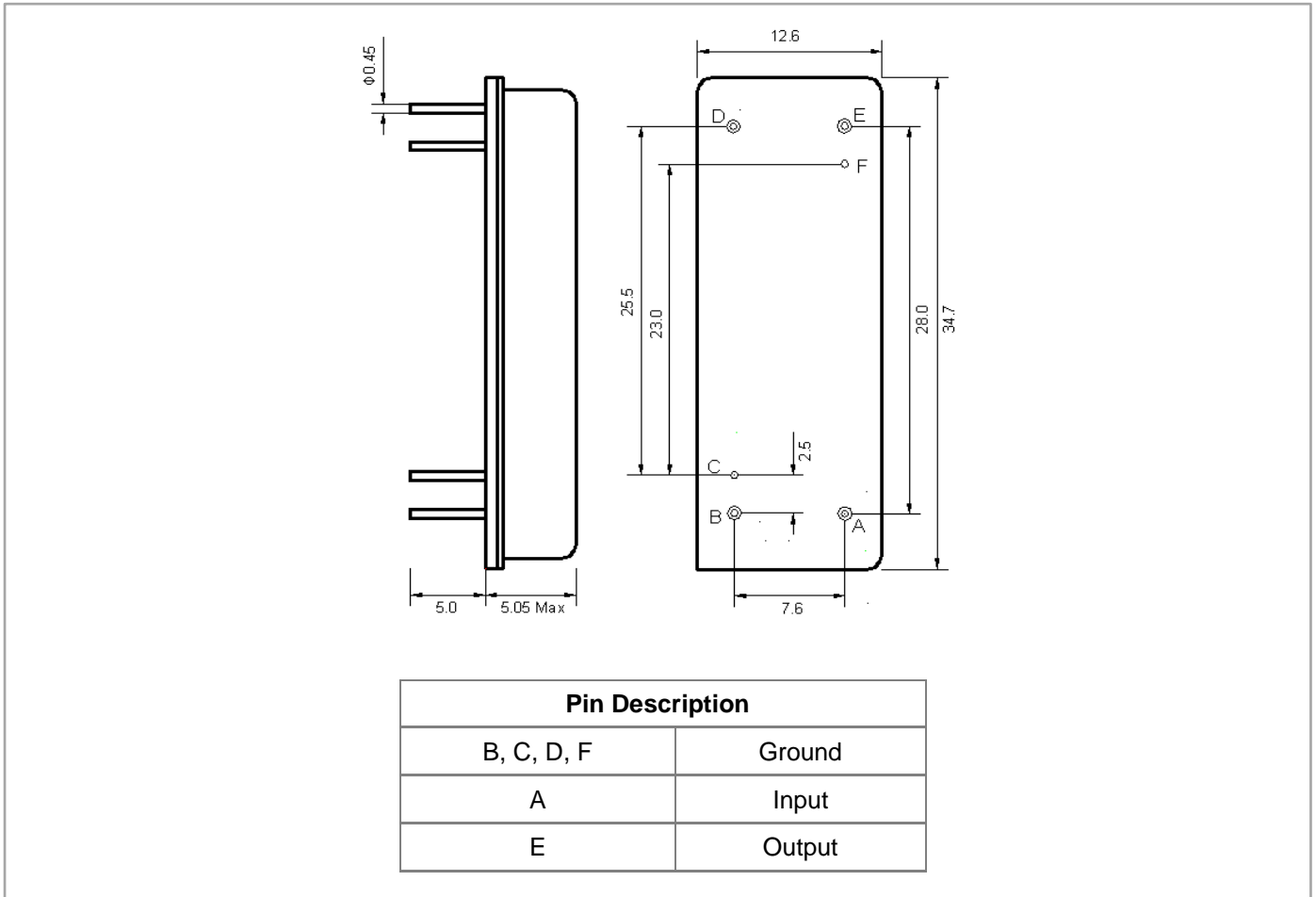
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operable 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	mm ²	-	34.7 x 12.6	-
Height	mm	-	-	5.05

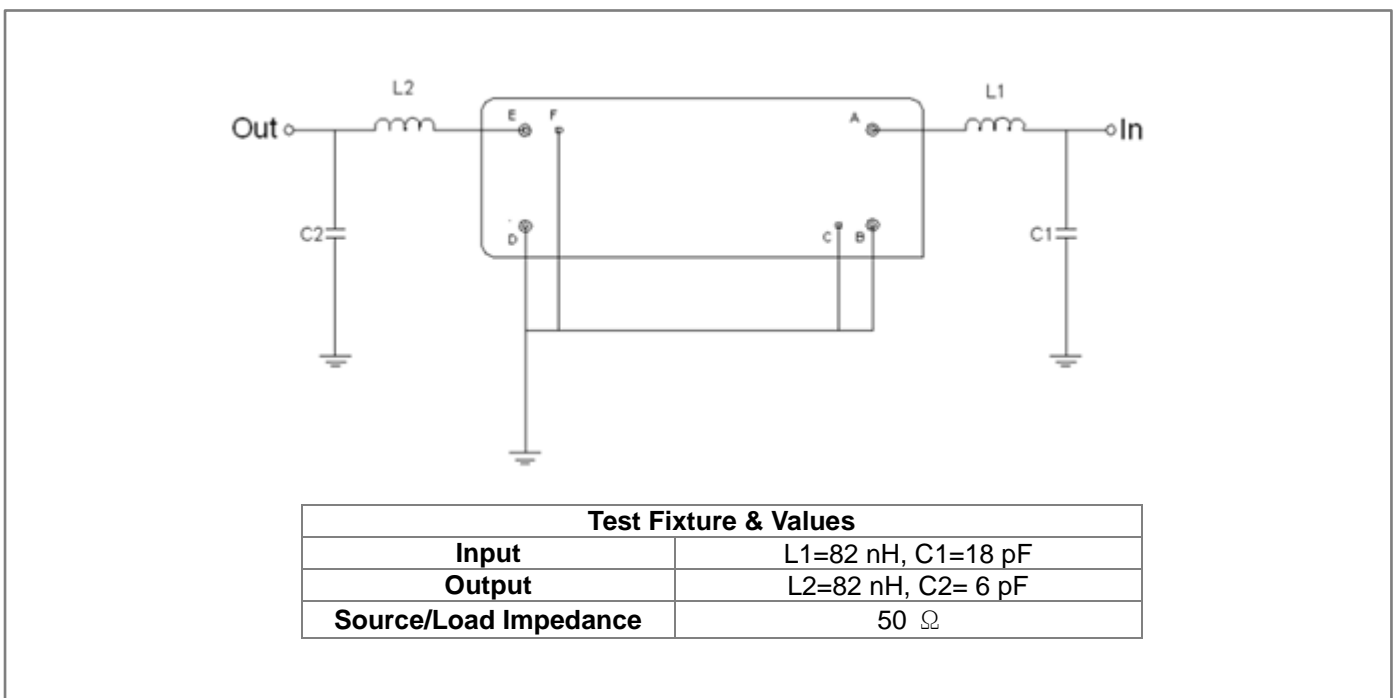
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	98.0	-
Insertion Loss at Fo	dB	-	21.8	23.5
Group Delay Variation (Fo±10.0MHz)	ns	-	39	80
Absolute Delay Time at Fo	us	-	2.30	2.50
Amplitude Ripple (Fo±10.0MHz)	dB	-	0.57	1.00
Bandwidth at -1dB	MHz	20.35	20.55	-
Bandwidth at -3dB	MHz	-	20.90	-
Bandwidth at -45dB	MHz	-	22.43	22.70
Relative Attenuation				
Lower Sidelobe	dB	50	55	-
Upper Sidelobe	dB	50	55	-
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



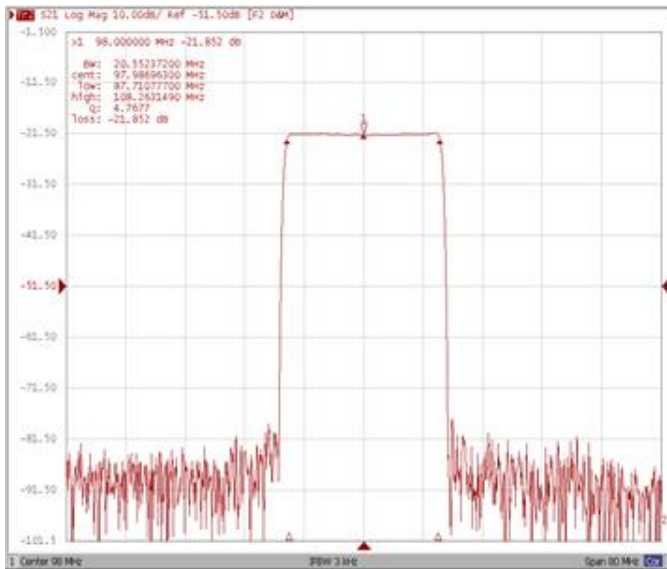
Testing Environment



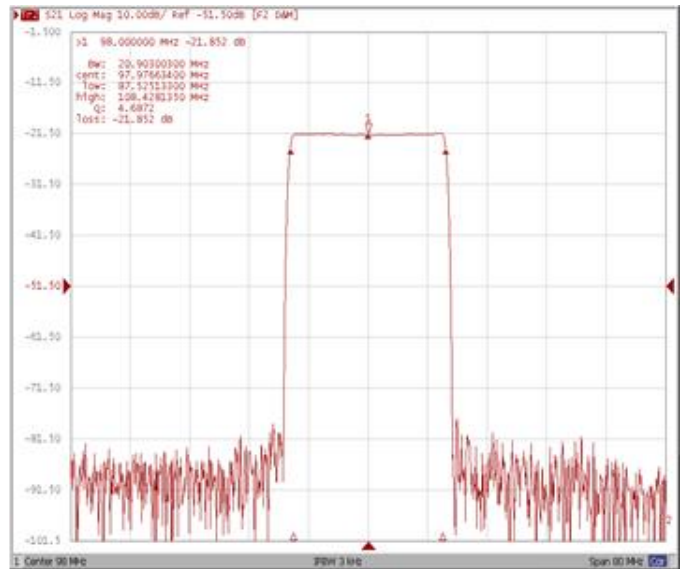
Frequency Characteristics

Frequency Response

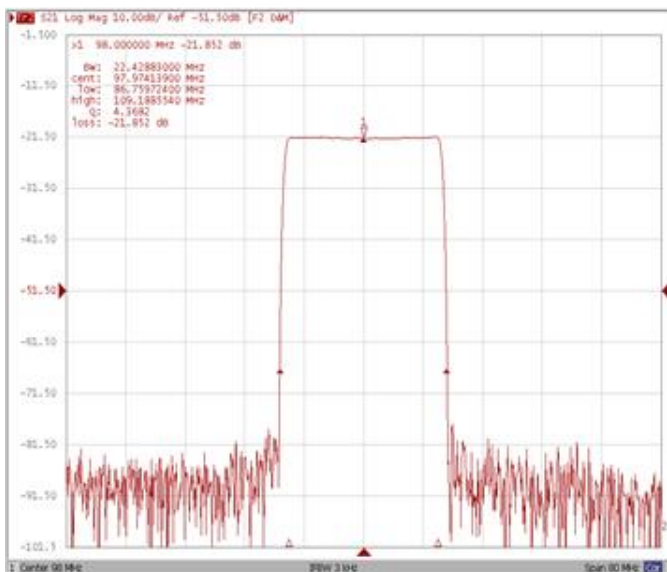
Bandwidth at -1.0 dB



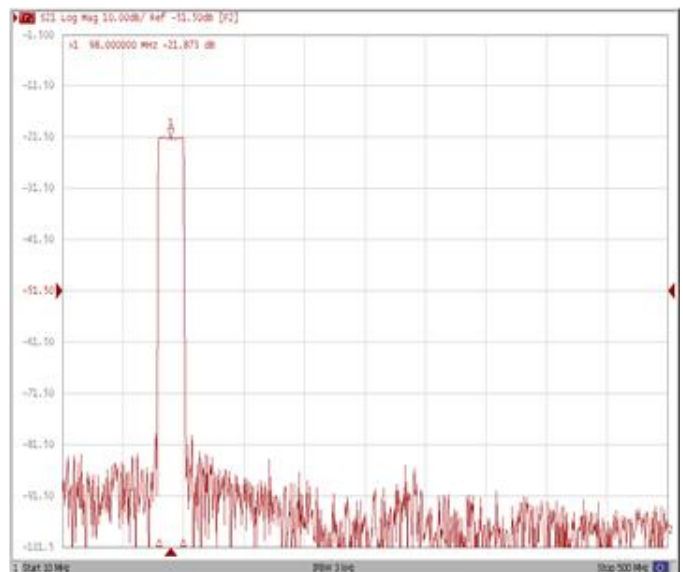
Bandwidth at -3.0 dB



Bandwidth at -45.0 dB

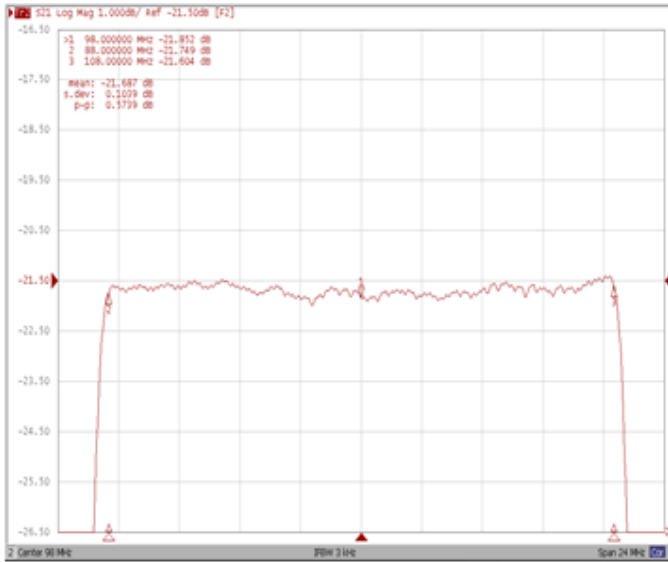


Wide Span

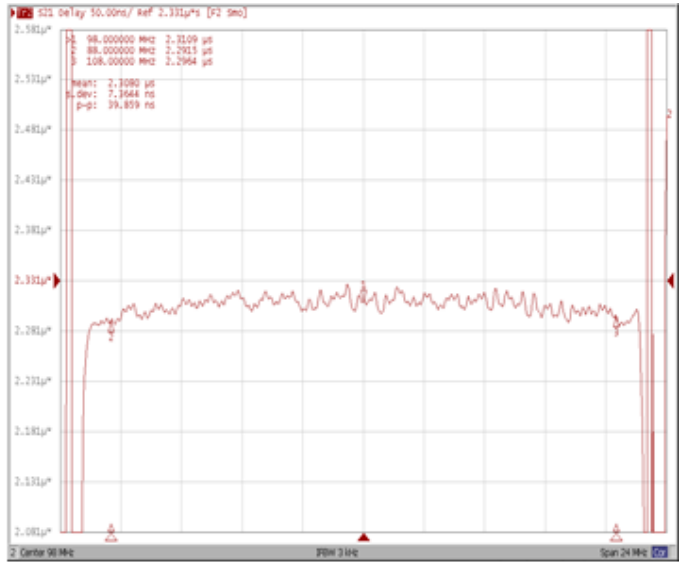


Frequency Response

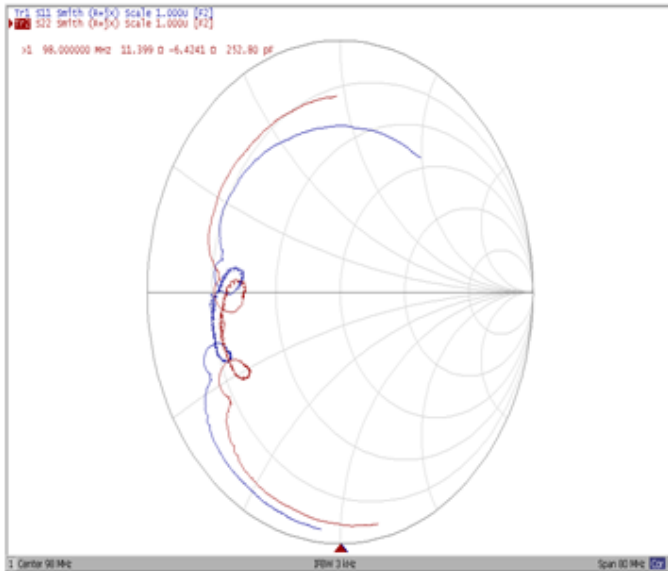
Ripple Variation Fo±10.0MHz



Group Delay Variation Fo±10.0MHz



Smith Chart



VSWR

