

- 98.0 MHz IF SAW Filter / 19.86 MHz Bandwidth
- Revision 0: 17 Oct. 2008

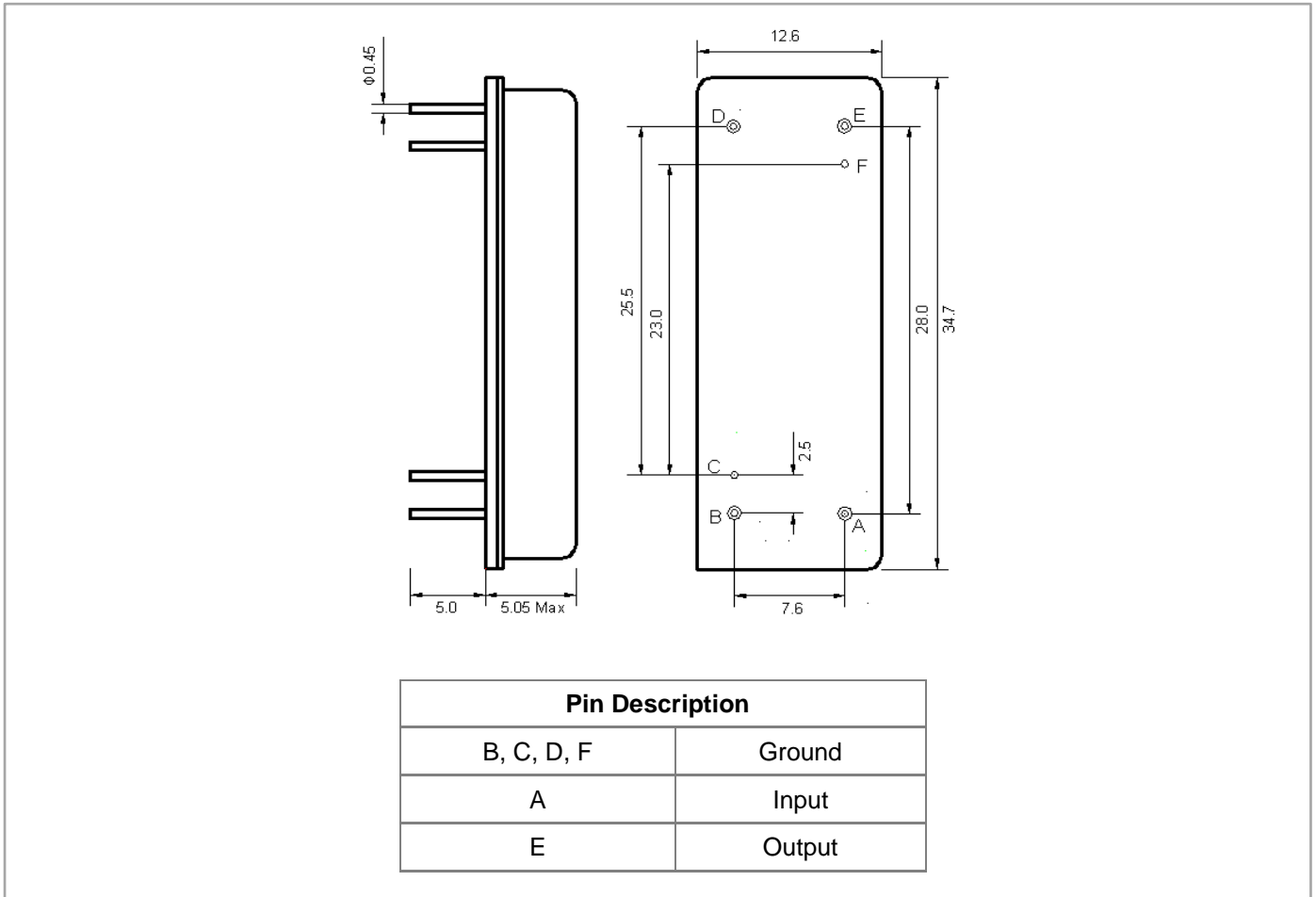
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-15	-	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	F			
Length x Width	mm ²	-	34.7 x 12.6	-
Height	mm	-	-	5.05

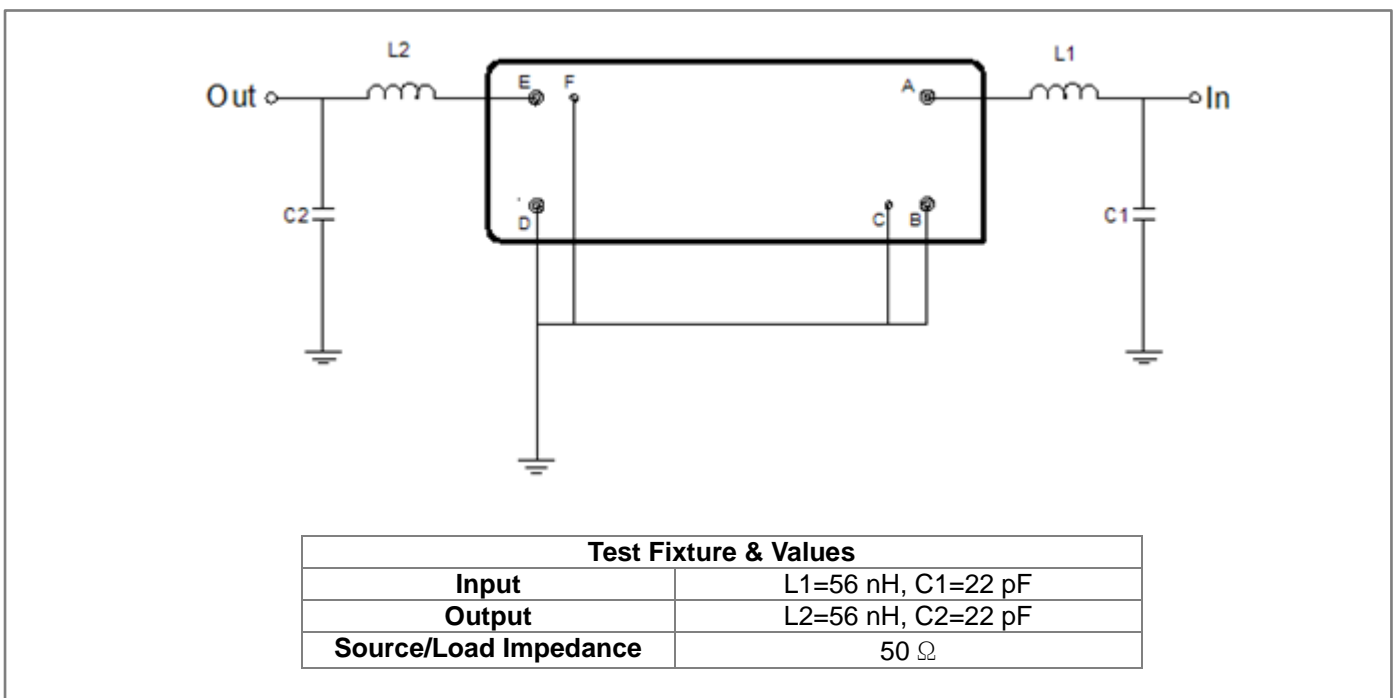
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	98.0	-
Insertion Loss at Fo	dB	-	27.0	30.0
Group Delay Variation (88.05MHz~107.7MHz)	ns	-	55	100
Absolute Delay Time at Fo	us	-	3.56	4.5
Temperature Coefficient	ppm/°C	-	-72	-
Amplitude Ripple (88.05MHz~107.7MHz)	dB	-	0.84	1.00
Bandwidth at -1dB	MHz	19.20	19.86	-
Bandwidth at -50dB	MHz	-	21.02	21.40
Relative Attenuation Fo±10.7MHz	dB	50	53	

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



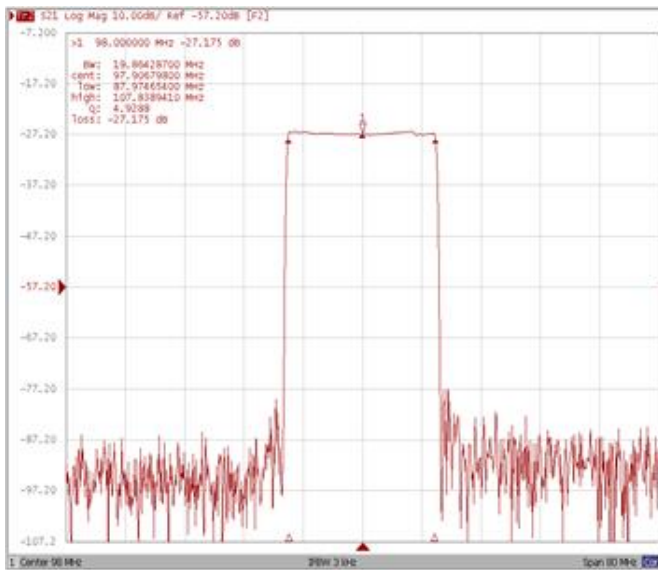
Testing Environment



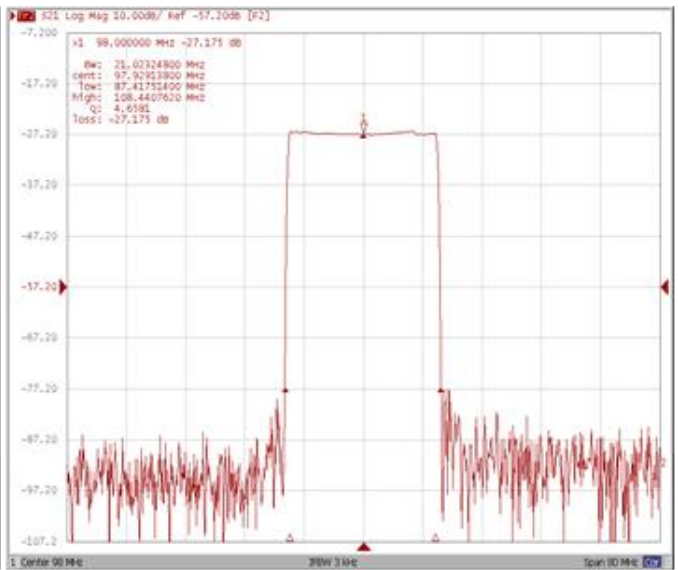
Frequency Characteristics

Frequency Response

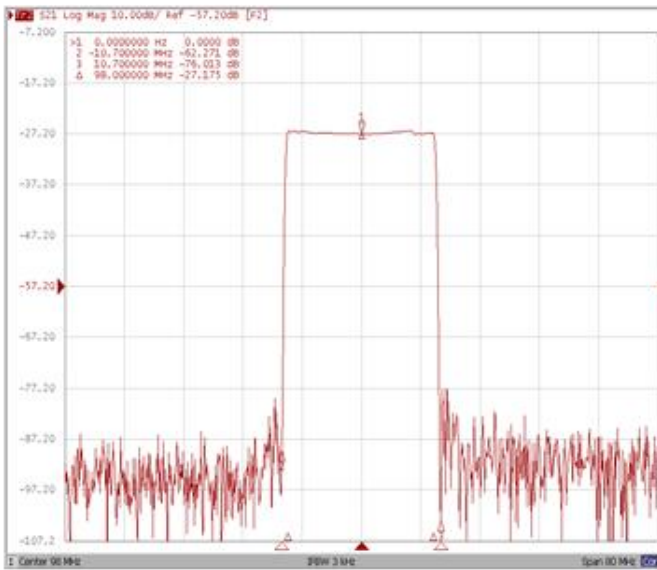
Bandwidth at -1.0 dB



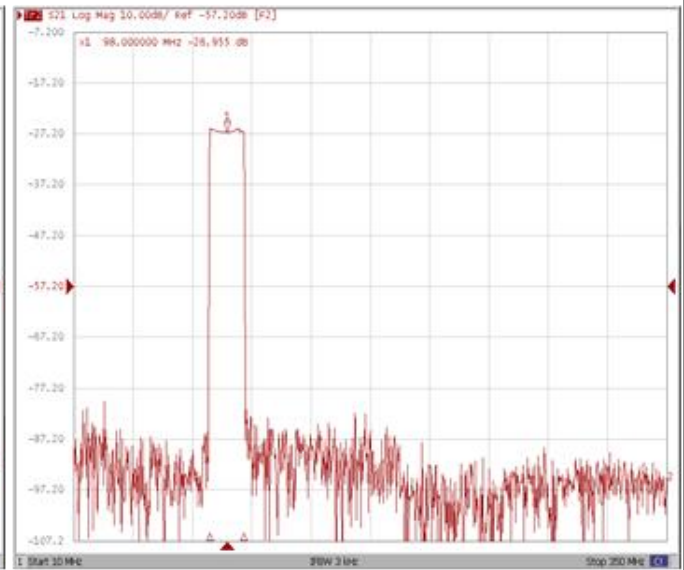
Bandwidth at -50.0 dB



Points (Fo±10.7MHz)

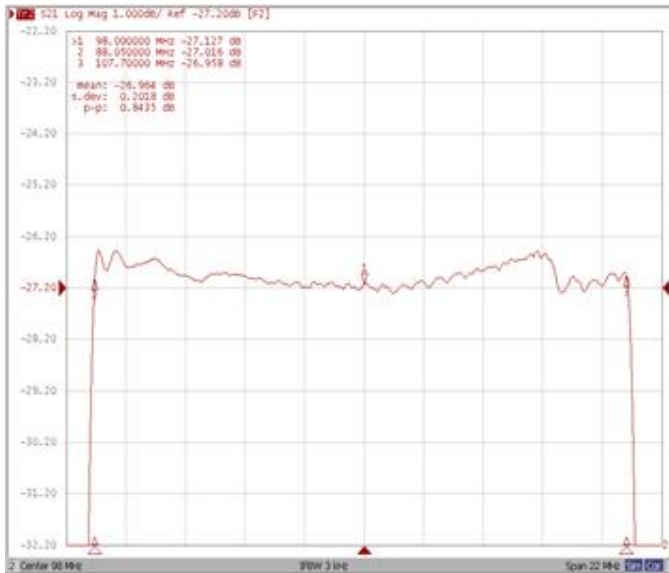


WIDE

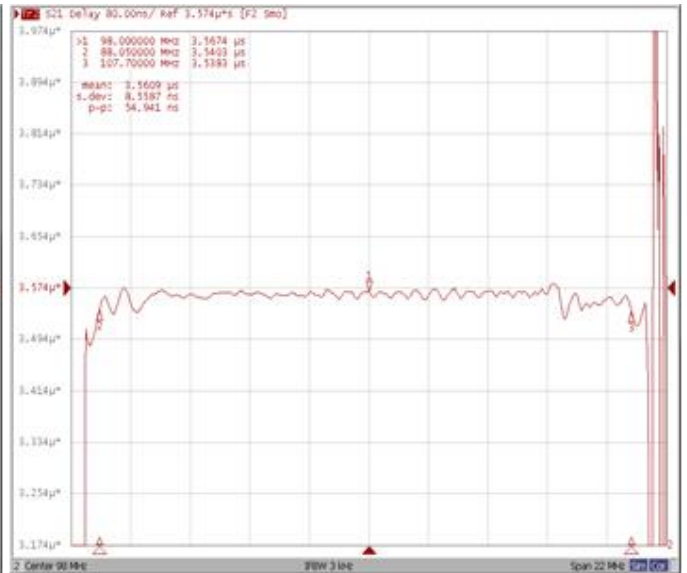


Frequency Response

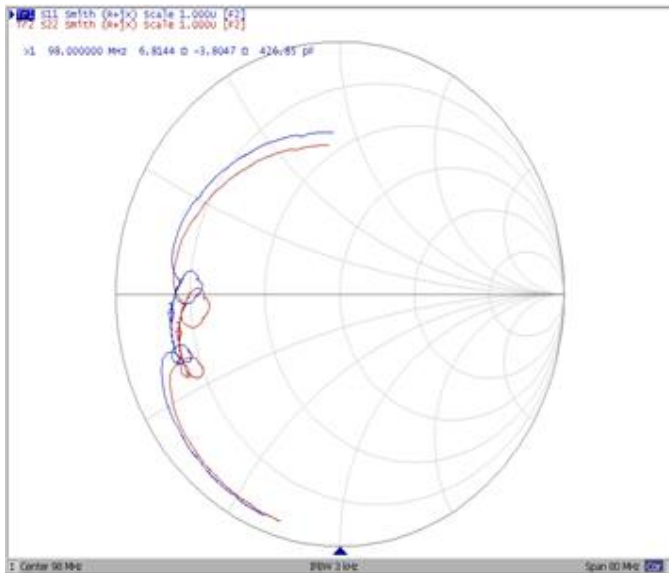
Ripple Variation (88.05MHz~107.7MHz)



Group Delay Variation (88.05MHz~107.7MHz)



Smith Chart



SWR

