

- 62.5 MHz IF SAW Filter / 18.95 MHz Bandwidth
- Revision 0: 30 January 2018

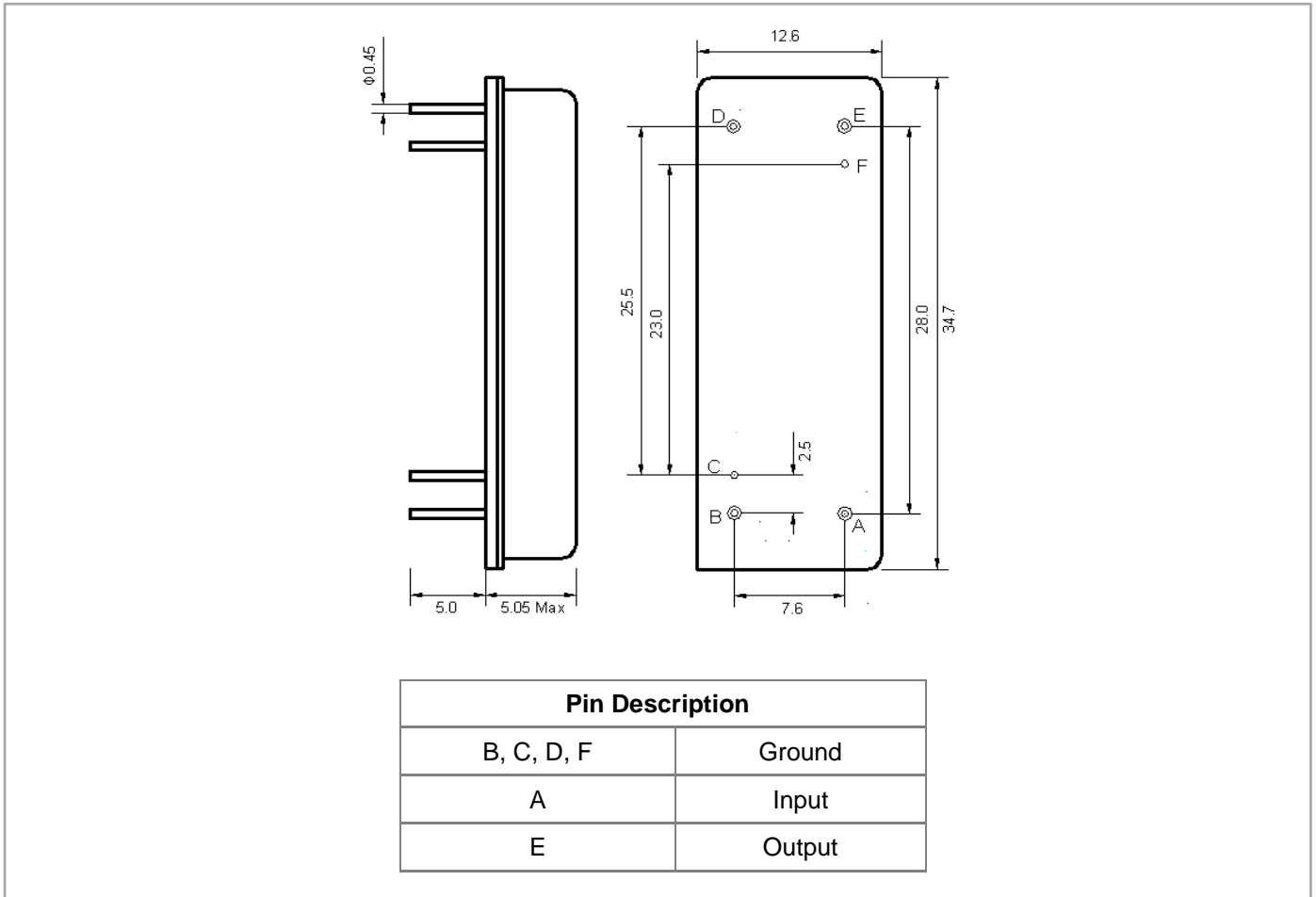
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-	+25	-
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	F			
Length x Width	mm <sup>2</sup>	-	34.7 x 12.6	-
Height	mm	-	-	5.05

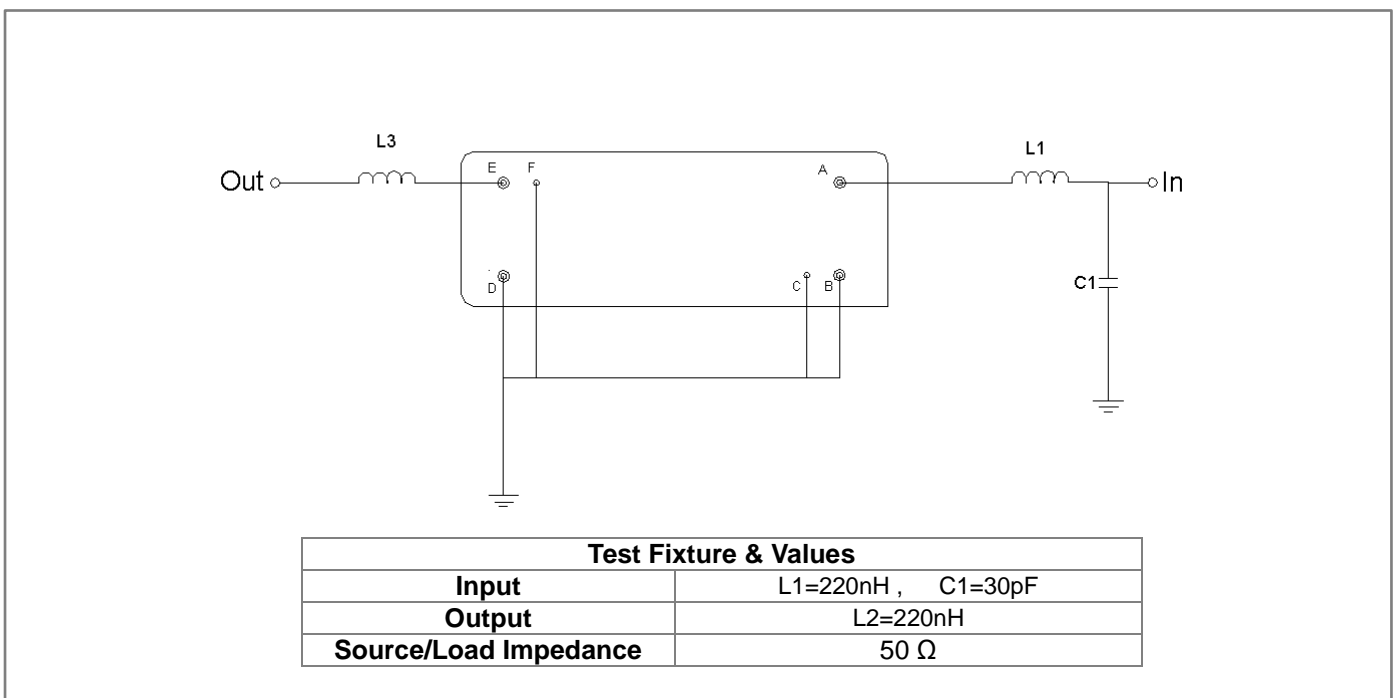
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	62.5	-
Insertion Loss at Fo	dB	-	23.7	26.0
Temperature Coefficient	ppm/°C	-	-72	-
Amplitude Ripple Variation within fo ±9.22 MHz	dB <sub>p-p</sub>	-	0.6	1.0
Group Delay Variation within fo ±9.22 MHz	nsec	-	40	90
Absolute Delay at Fo	μsec	-	2.91	-
Bandwidth at -1.0 dB	MHz	18.90	18.95	-
Bandwidth at -3.0 dB	MHz	-	19.17	-
Bandwidth at -40.0 dB	MHz	-	20.15	20.20
Relative Attenuation:				
Fo ±10.0 MHz	dB	25	27	
Lower Sidelobe	dB	50	52	-
Upper Sidelobe	dB	50	52	-

**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

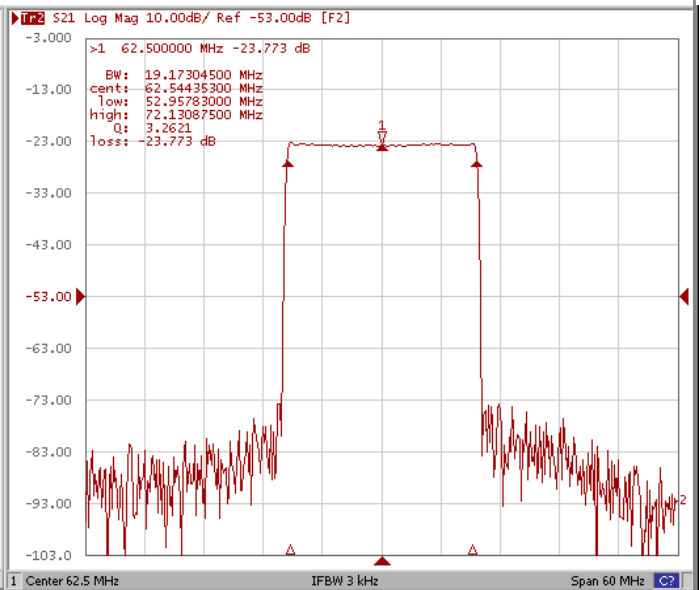
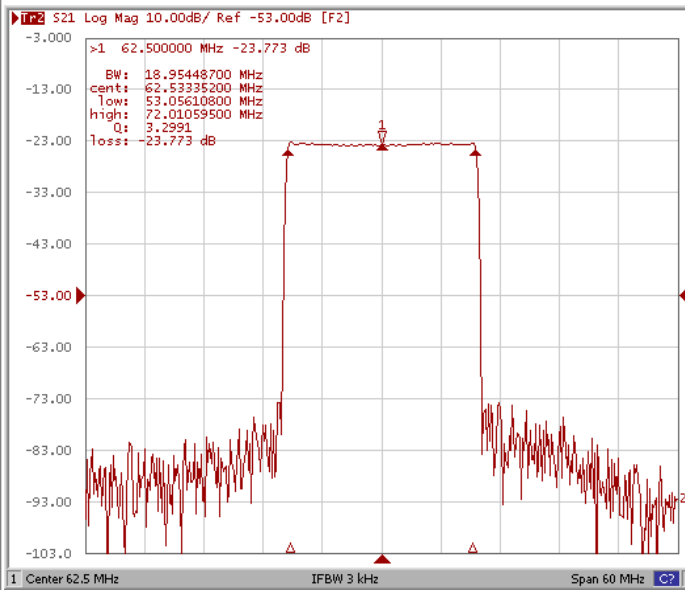


## Frequency Characteristics

### Frequency Response

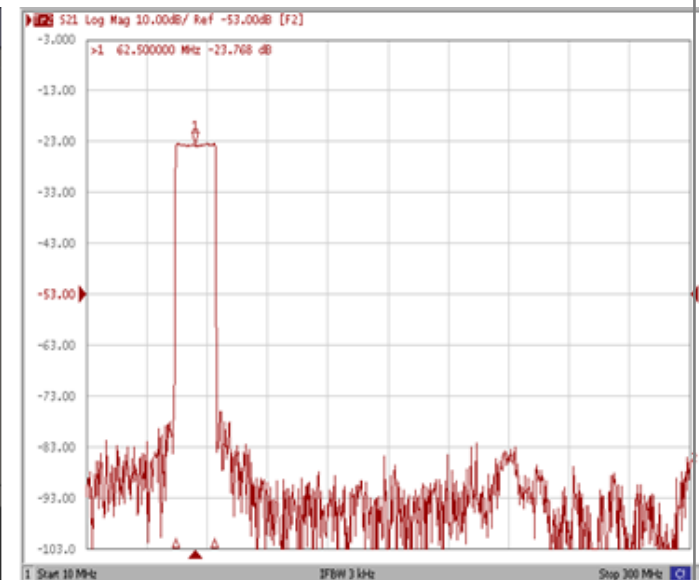
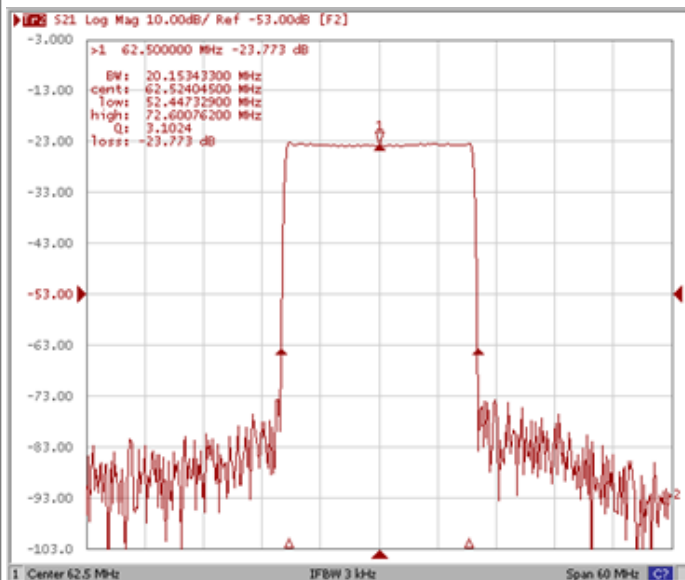
**Bandwidth at -1.0 dB**

**Bandwidth at -3.0 dB**



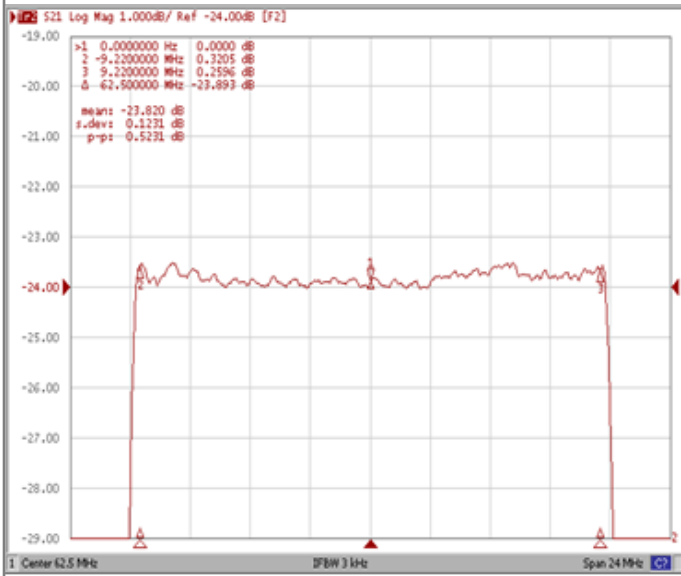
**Bandwidth at -40.0 dB**

**Wide-Band**

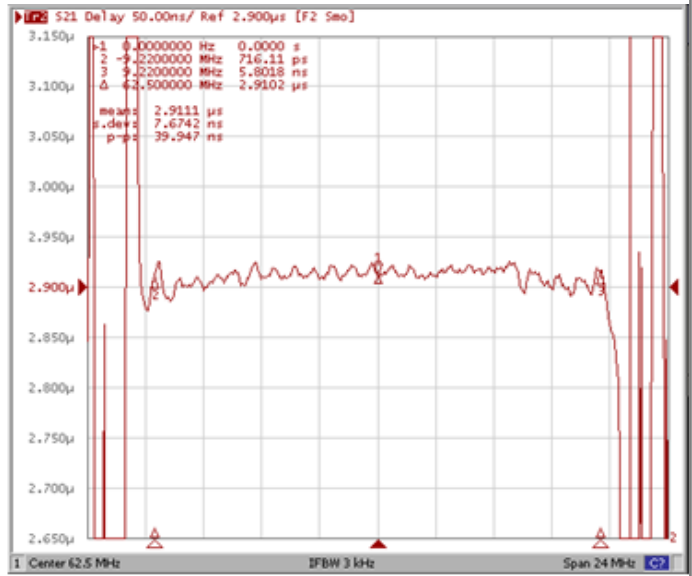


**Frequency Response**

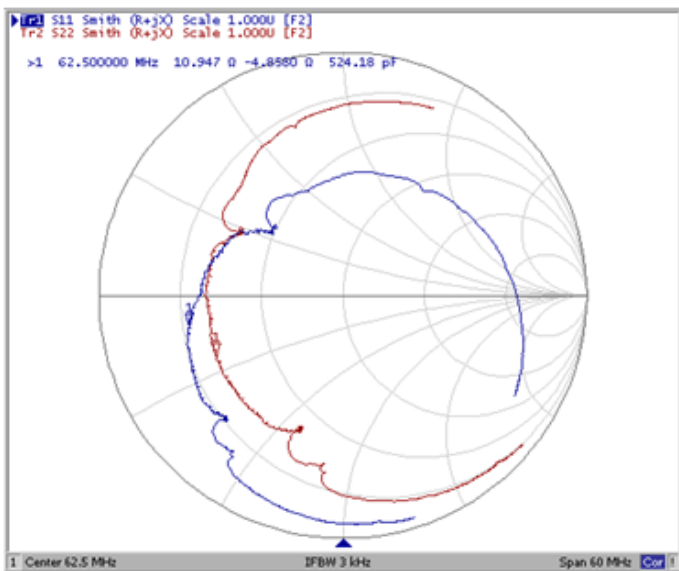
**Ripple Variation (Fo±9.22MHz)**



**Group Delay Variation (Fo±9.22MHz)**



**Smith Chart**



**SWR**

