



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 240-320 MHz LC Bandpass Filter

Part Number: AE280B10997



## Electrical specifications

**Center Frequency:** 280 MHz  
**Bandwidth:** 80 MHz  
**Passband:** 240-320 MHz  
**Passband Insertion Loss:** <1.5dB  
**Rejection:** 220 MHz @ 60 dB  
**Rejection:** 350 MHz @ 60 dB  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W CW

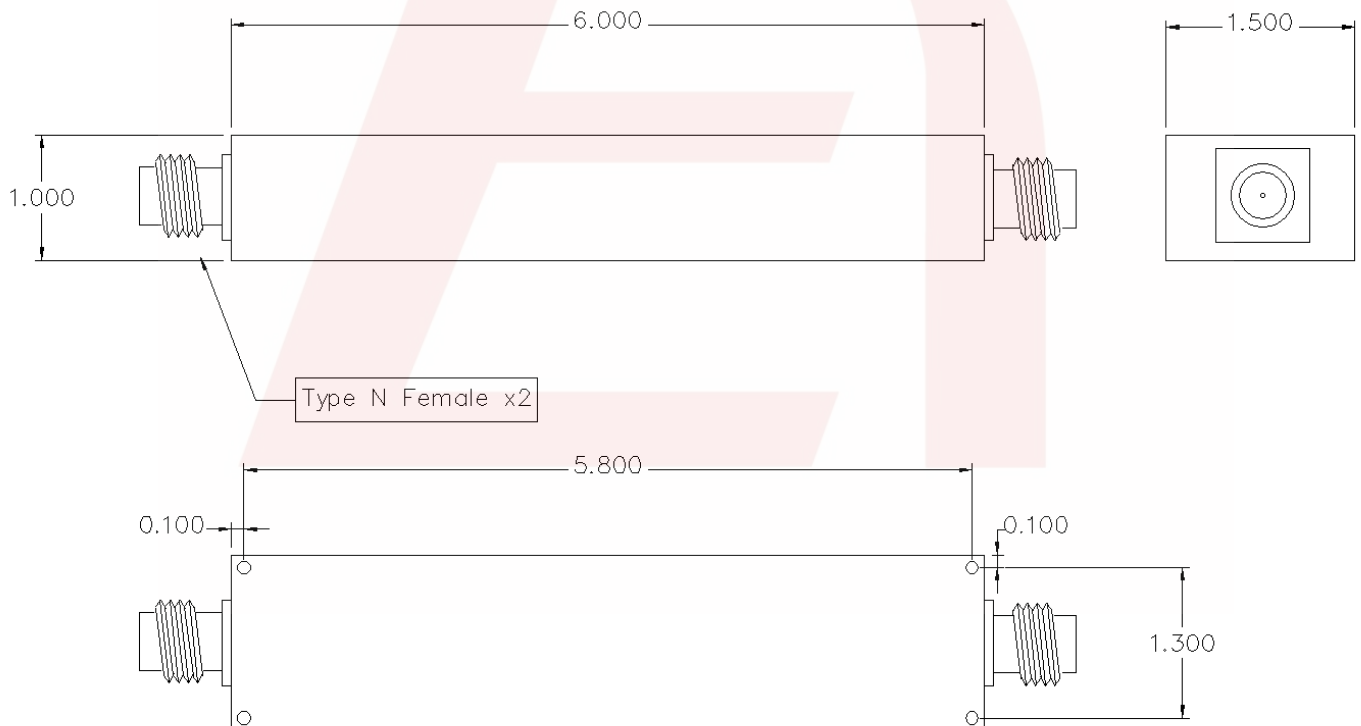
## Mechanical

**Connector Type:** N-Type (F)  
**Dimensions:** 6.0 x 1.5 x 1.0 in

## Environmental

**Operating Temperature:** -45°C to +85°C  
**Storage temperature:** -65°C to +95°C  
**Shock:** 10 G's, ½ sine, 11ms  
**Vibration:** 10 G's, 10-2000Hz  
**Relative Humidity:** 0-95%

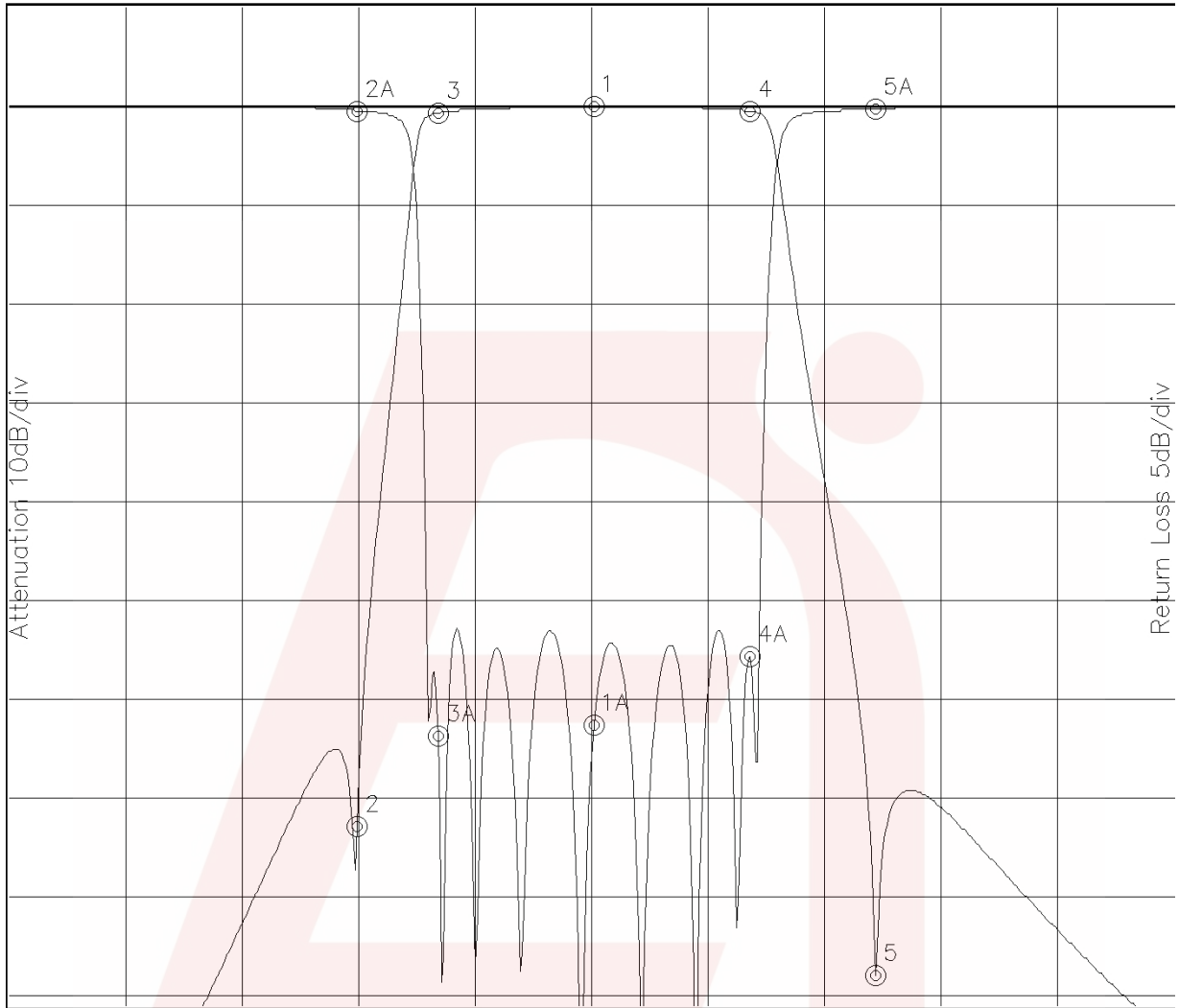
## Outline Drawing:



DS-B10997-02092015-Rev0



**Response Plot:**



Attenuation Start: 130.0MHz Stop: 430.0MHz

Return Loss Start: 130.0MHz Stop: 430.0MHz

Offset -0.4347dB

Marker 1 Freq 280.24MHz Atten -0.023dB  
 Marker 2 Freq 219.17MHz Atten -72.616dB  
 Marker 3 Freq 240.01MHz Atten -0.592dB  
 Marker 4 Freq 320.46MHz Atten -0.403dB  
 Marker 5 Freq 352.94MHz Atten -87.505dB

Marker 1A Freq 280.24MHz Ret Loss -31.154dB  
 Marker 2A Freq 219.17MHz Ret Loss -0.171dB  
 Marker 3A Freq 240.01MHz Ret Loss -31.754dB  
 Marker 4A Freq 320.46MHz Ret Loss -27.712dB  
 Marker 5A Freq 352.94MHz Ret Loss -0.105dB