



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

63.862 MHz LC Band Pass Filter

Part Number: AE63.862B5686



Electrical Specifications

Center Frequency: 63.862 MHz
0.25dB Passband: 63.53-64.19 MHz
Insertion Loss: 10.0 dB Max.
Rejection: ≥ 25 dB @ 61.5 MHz
Rejection2: ≥ 25 dB @ 66 MHz

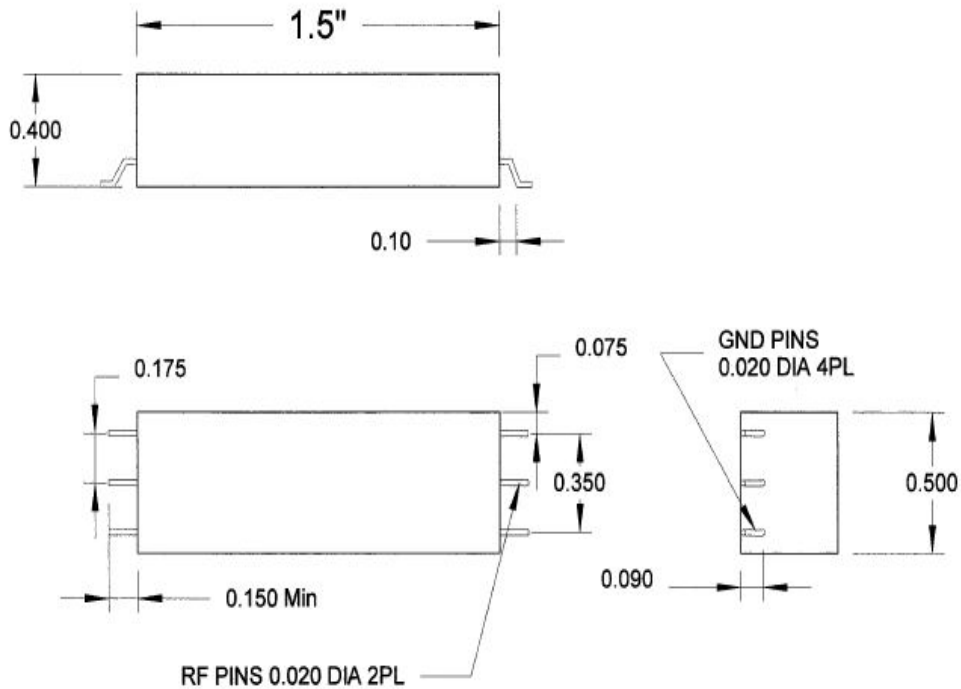
Mechanical

Connector Type: SMT
Dimensions: 1.5" X 0.5" x 0.4" .

Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

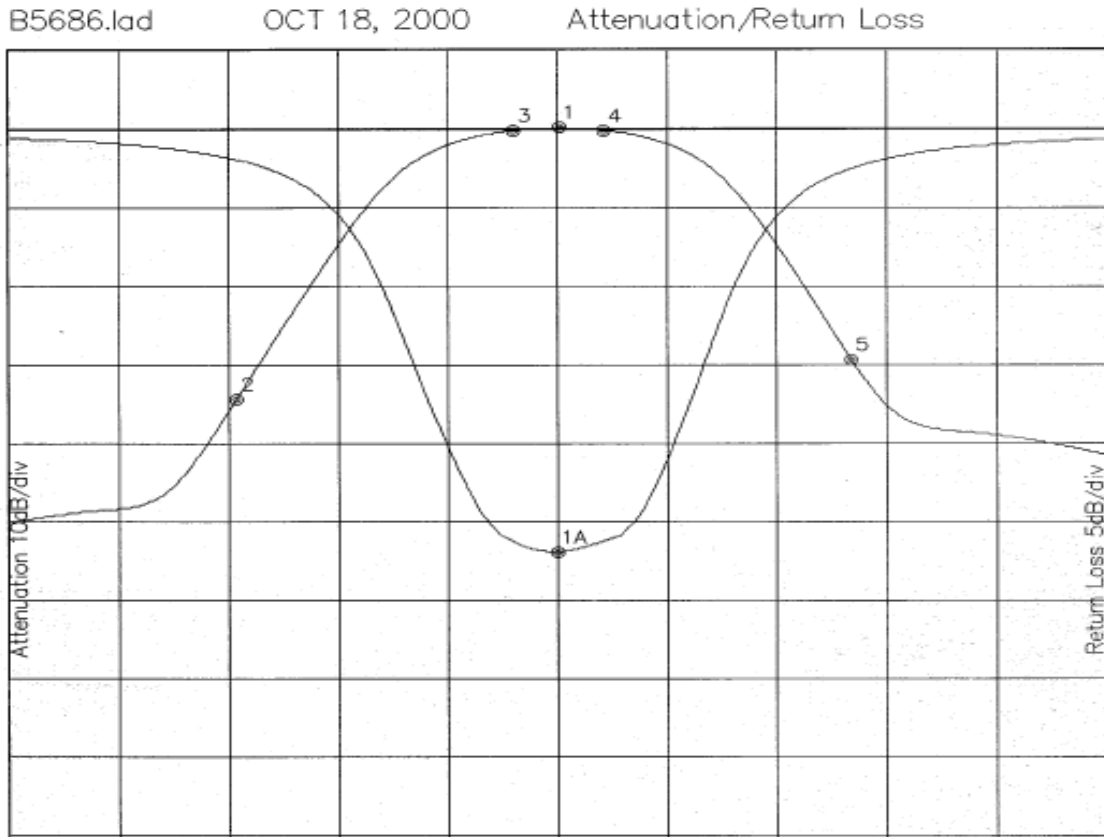
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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Simulation Plot:



Attenuation Start: 59.862MHz Stop: 67.862MHz Return Loss Start: 59.862MHz Stop: 67.862MHz

Offset -8.913dB

- Marker 1 Freq 63.868MHz Atten 0.110dB
- Marker 2 Freq 61.503MHz Atten -34.370dB
- Marker 3 Freq 63.532MHz Atten -0.187dB
- Marker 4 Freq 64.192MHz Atten -0.154dB
- Marker 5 Freq 66.001MHz Atten -29.343dB

Marker 1A Freq 63.856MHz Ret Loss -26.926dB

Note: This is a simulated response plot. Actual performance might differ.