



# 1780 MHz Cavity Bandpass Filter

## Part Number: AB1780B715



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

### Electrical specifications

- Center Frequency:** 1780 MHz
- Operating bandwidth:** 1725-1835 MHz
- Insertion loss:**  $\leq 1.0$  dB
- Return loss:**  $\geq 18$  dB
- Rejection:**  $> 43$  dB@1865~3000MHz
- Average power handling:**  $\leq 40$  Watts
- Peak power handling:**  $\leq 1.4$  KW
- IMD3@1170 MHz:** 100dBm@2 x 43 dBm
- IMD5@1675 MHz:** 110dBm@2 x 43 dBm
- Impedance:** 50 Ohms In/Out

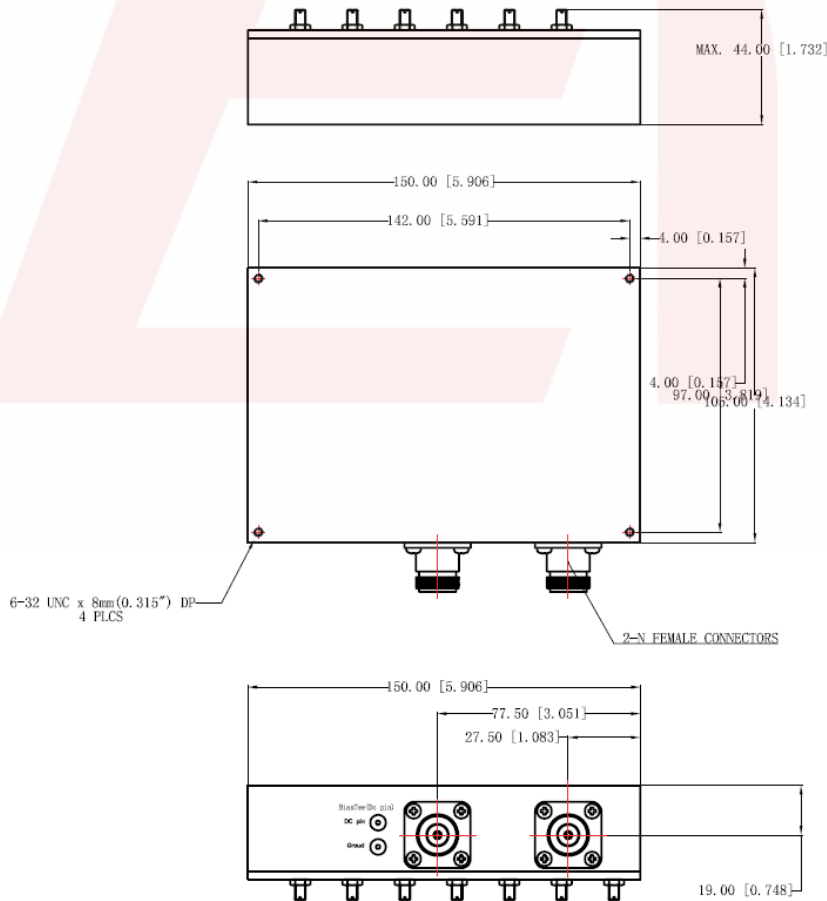
### Mechanical

- Mounting Method:** Threaded Mounting Holes
- Connector Type:** N-Type Female
- Dimensions:** 5.90" x 4.13" x 1.73" in

### Environmental

- Operating Temperature:** -45 to +85° C
- Storage Temperature:** -55 to +95° C
- Shock:** 20 G. 11ms
- Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:



DS-B715-03152018-Rev0



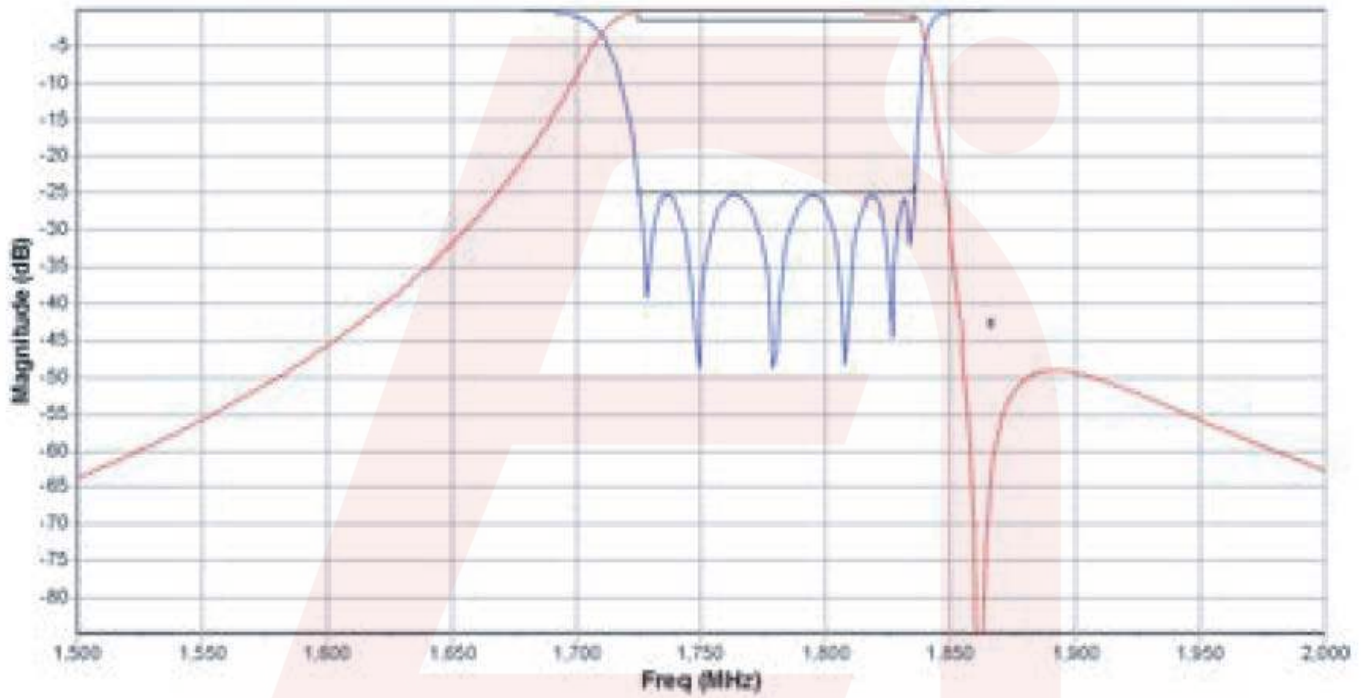
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Plot:



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