



# 1842.5 MHz Ceramic Band Pass Filter



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

**Part Number: AM1842B1659**

## Electrical Specifications

**Center Frequency:** 1842.5 MHz  
**Bandwidth:**  $F_0 \pm 37.5$  MHz  
**Insertion Loss in BW:** 3.5 dB Max  
**Ripple in BW:** 2.0 dB Max  
**Return Loss:** 15.0 dB Min  
**Attenuation:** >50 dB @ DC~1710 MHz  
>40 dB @ 1710~1785 MHz  
>35 dB @ 1910~2200 MHz  
**Input Power:** 5.0 W Max

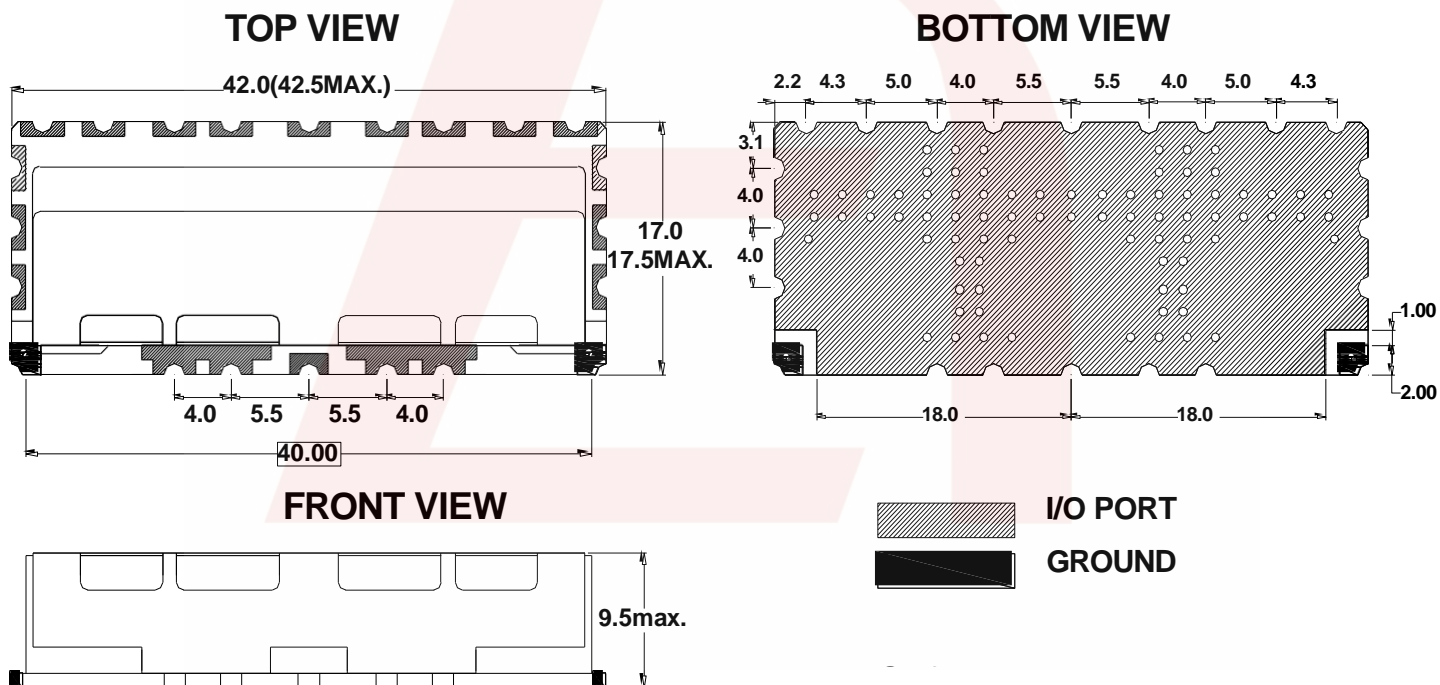
## Mechanical

**Mounting Method:** SMT  
**Dimensions:** 42.0 x 17.0 x 9.5 mm

## Environmental

**Operating Temperature:** -40 to +85° C

## Outline Drawing:



DS-B1659-12232015-Rev0



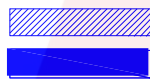
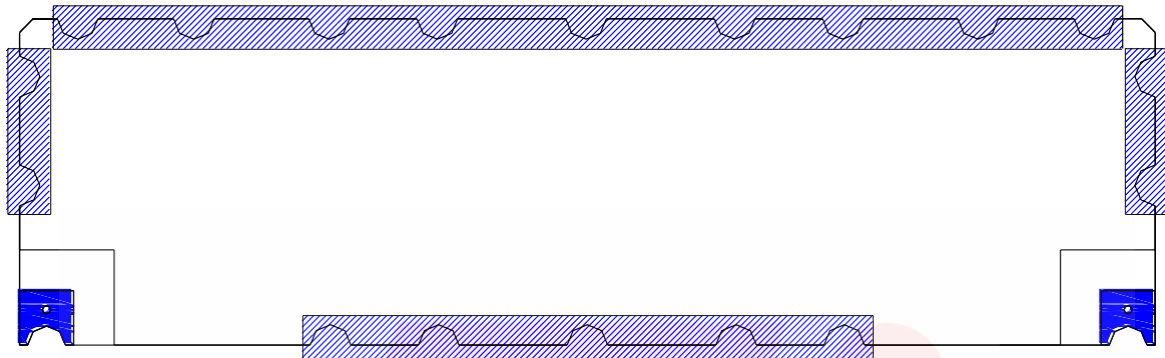
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## PCB Layout:



GROUND SOLDERING POINT  
I/O PORT SOLDERING POINT

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### Response Plot:

