



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

**1850-1860 MHz / 1930-1940 MHz**  
**PCS Cavity Duplexer/Diplexer**  
**Part Number: AD1855-1935D239**

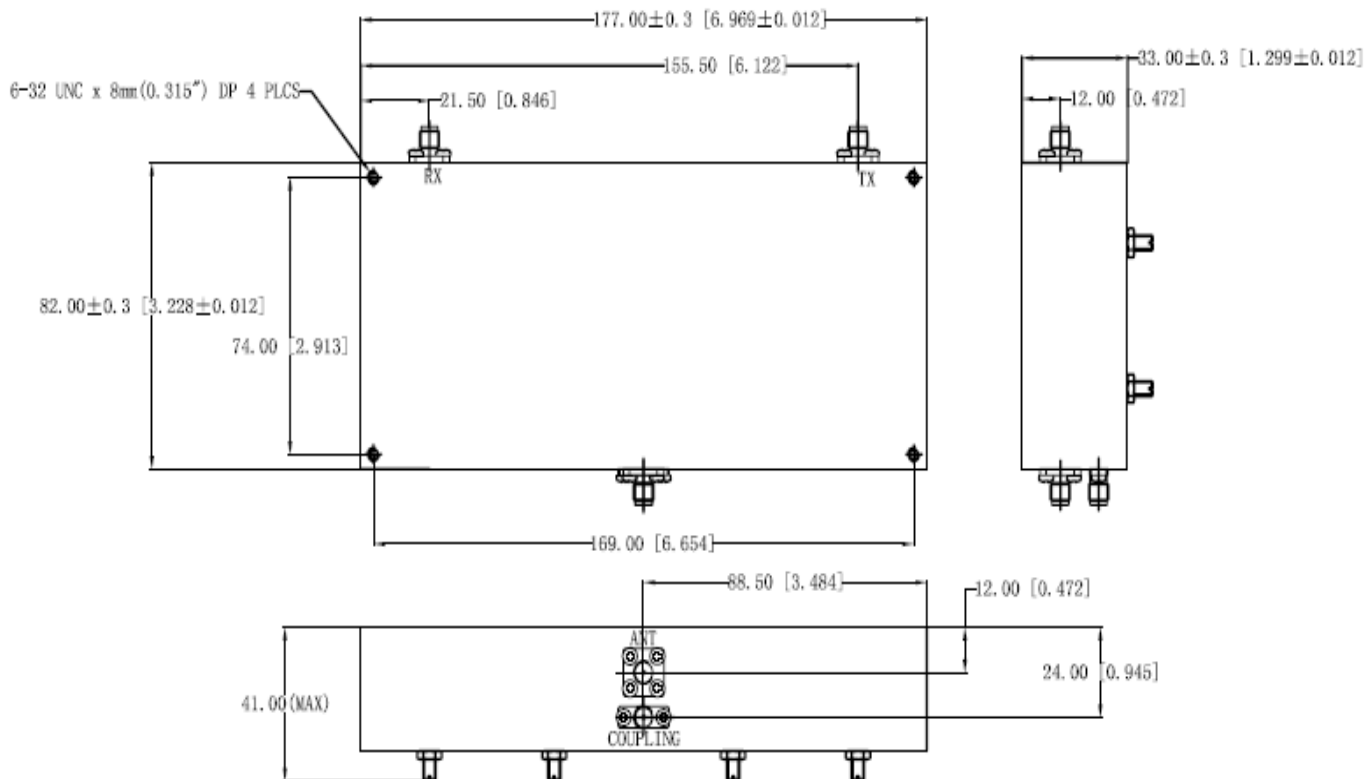


| <u>Characteristics</u>           | <u>Band 1</u> | <u>Band 2</u> |
|----------------------------------|---------------|---------------|
| <b>Passband:</b>                 | 1850-1860 MHz | 1930-1940 MHz |
| <b>Bandwidth:</b>                | 10 MHz        | 10 MHz        |
| <b>Passband Return Loss:</b>     | 20 dB         | 20 dB         |
| <b>Passband Insertion Loss:</b>  | 1 dB          | 1 dB          |
| <b>Passband Ripple:</b>          | 0.6 dB        | 0.6 dB        |
| <b>Input / Output Impedance:</b> | 50 Ohms       | 50 Ohms       |
| <b>Isolation:</b>                |               |               |
| <b>Power Handling:</b>           | 4 Watts       | 4 Watts       |

| <u>Mechanical</u>       |                              |
|-------------------------|------------------------------|
| <b>Mounting Method:</b> | 6-32 Threaded Mounting Holes |
| <b>Connector Type:</b>  | N-Type (F)                   |
| <b>Dimensions:</b>      | 177 x 82 x 33 mm             |

| <u>Environmental</u>          |                  |
|-------------------------------|------------------|
| <b>Operating Temperature:</b> | -40 to +70 deg.C |
| <b>Storage Temperature:</b>   | -50 to +90 deg.C |

**Outline Drawing:**





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### Response Plot:

