



# 1241-1282 MHz / 1694-1735 MHz Cavity Duplexer



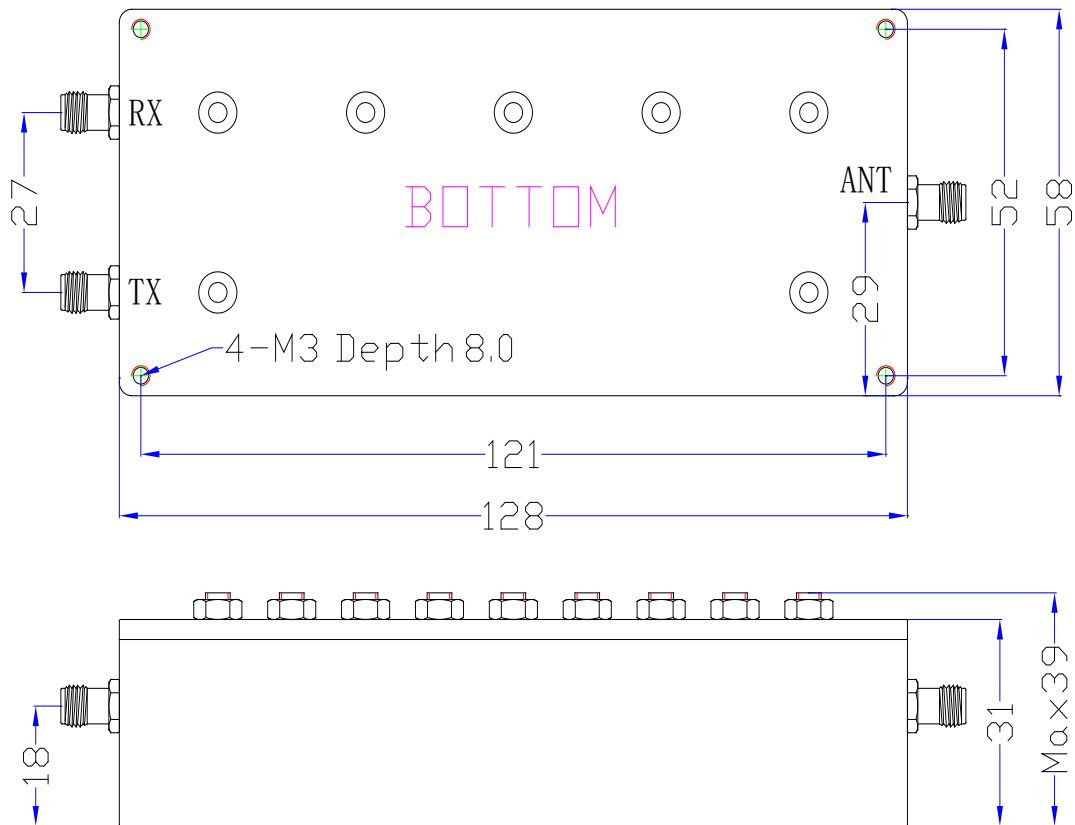
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE1261-1714DB5471**

| <u>Characteristics</u>  | <u>Band 1 (Rx)</u>   | <u>Band 2 (Tx)</u>   |
|-------------------------|----------------------|----------------------|
| <b>Frequency range:</b> | 1241-1282 MHz        | 1694-1735 MHz        |
| <b>Insertion loss:</b>  | ≤1.0 dB              | ≤1.0 dB              |
| <b>Return loss:</b>     | ≥17 dB               | ≥17 dB               |
| <b>Rejection:</b>       | ≥50 dB@1518-1735 MHz | ≥50 dB 1241-1559 MHz |
| <b>Power Handling:</b>  | 20 Watts             |                      |
| <b>Impedance:</b>       | 50 Ohms              |                      |

| <u>Mechanical</u>             |                         |
|-------------------------------|-------------------------|
| <b>Mounting Method:</b>       | Threaded Mounting Holes |
| <b>Connector Type:</b>        | SMA (F)                 |
| <b>Dimensions:</b>            | 128 x 58 x 31 mm        |
| <u>Environmental</u>          |                         |
| <b>Operating Temperature:</b> | -30 to +70 deg.C        |
| <b>Storage Temperature:</b>   | -40 to +80 deg.C        |
| <b>Shock:</b>                 | 20 G. 11ms              |
| <b>Vibration:</b>             | 20 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.