



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



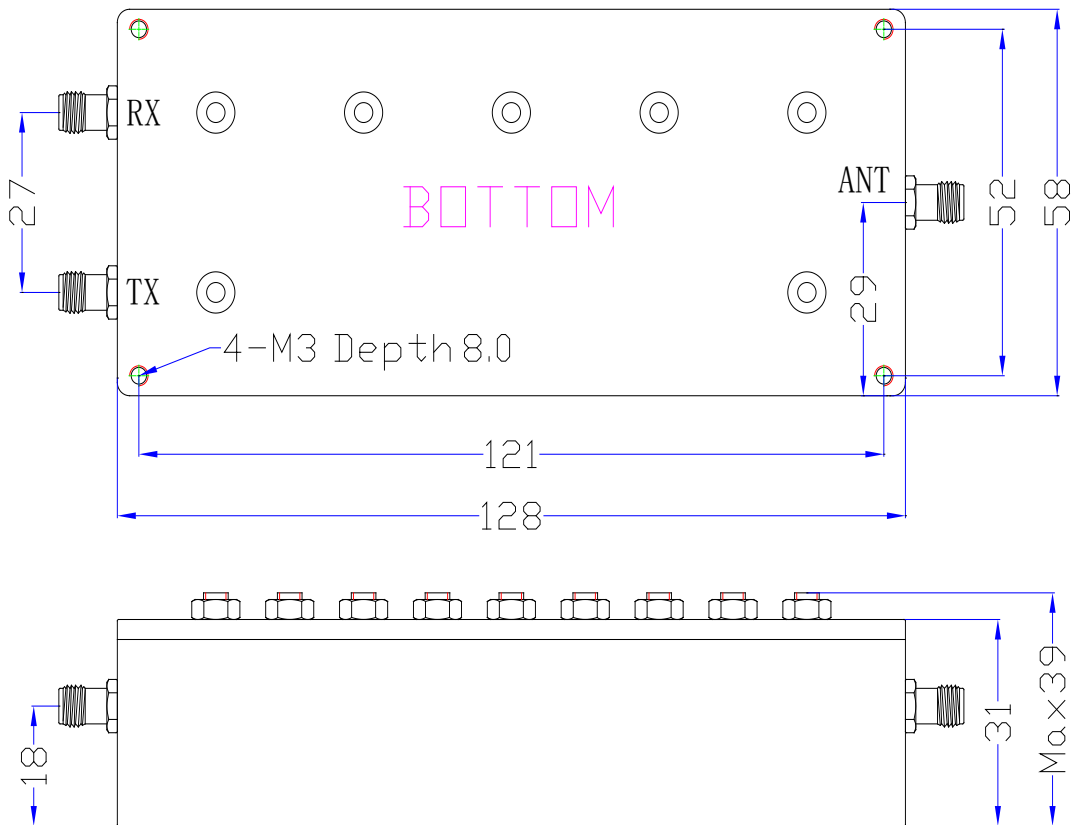
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**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.