



# 450.625-452.625 / 457.625-459.625 MHz Cavity Duplexer

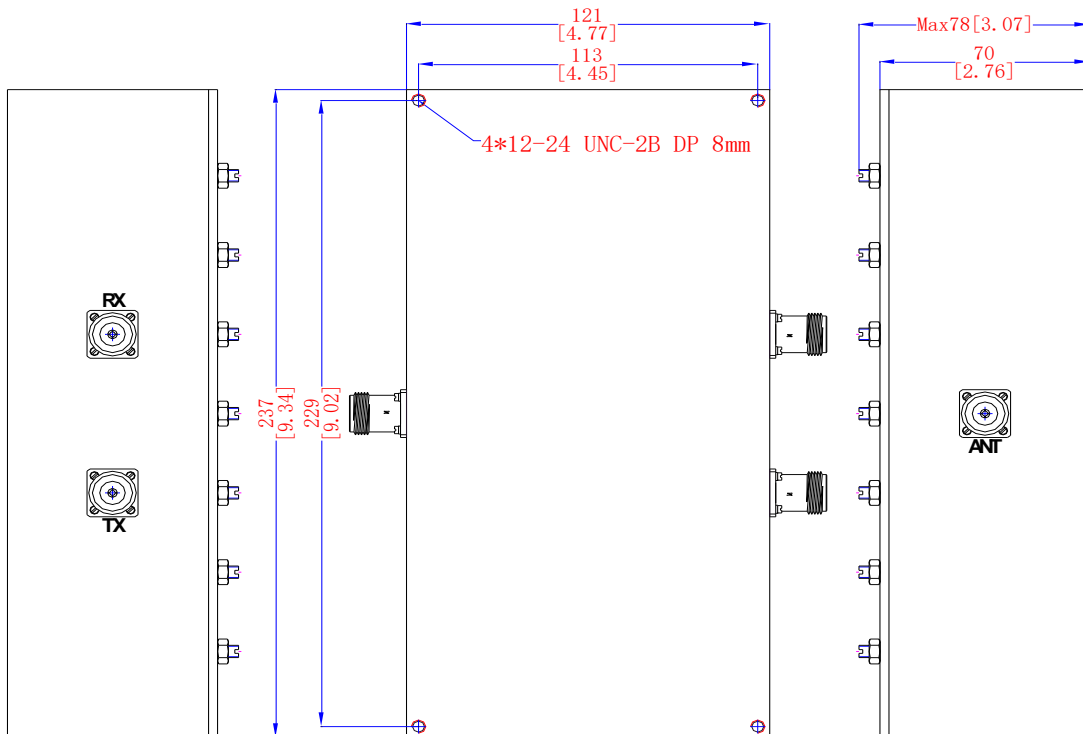


**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE452-457DB5495**

<u>Characteristics</u>	<u>Band 1(RX)</u>	<u>Band 2(TX)</u>	<u>Mechanical</u>	
<b>Passband:</b>	450.625-452.625 MHz	457.625-459.625 MHz	<b>Mounting Method:</b>	Threaded Holes
<b>Bandwidth:</b>	2 MHz min.	2 MHz min.	<b>Connector Type:</b>	N-Type (F)
<b>Band Edge (BE)</b>	452.625 MHz	457.625 MHz	<b>Dimensions:</b>	9.34 x 4.77 x 3.07 in.
<b>Ins. Loss @BE</b>	1.3dB Max.	1.6 dB Max.	<b>Dimensions (mm):</b>	237 X 121 X 78 mm.
<b>Return Loss:</b>	14 dB Min.	14 dB Min.	<u>Environmental</u>	
<b>Isolation:</b>	50 dB Min.	50 dB Min.	<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Power Handling:</b>	70 Watts	70 Watts	<b>Storage Temperature:</b>	-55 to +85 deg.C
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms	<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.