



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

# LTE Band 12 Cavity Duplexer

**Part Number: AE710-737DB5474**

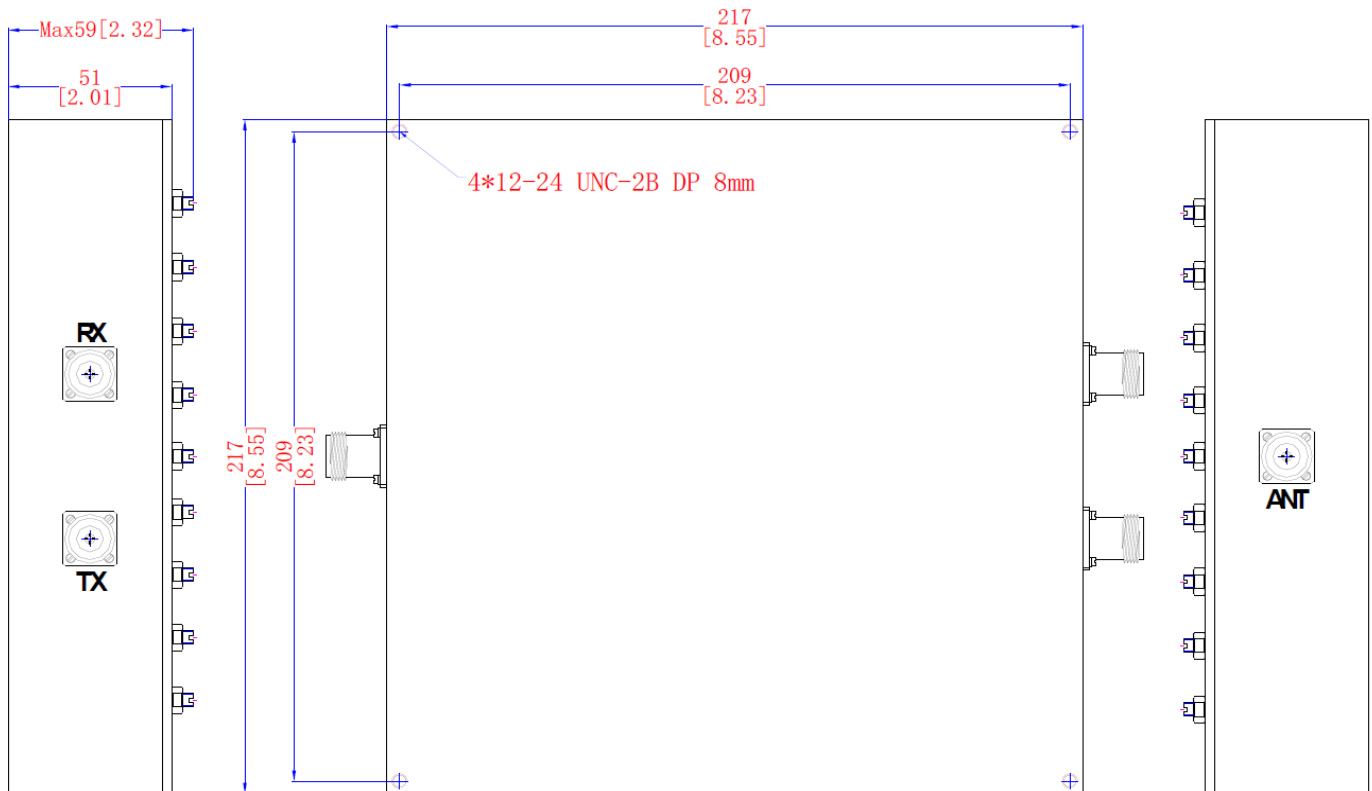


<u>Characteristics</u>	<u>Band 1(RX)</u>	<u>Band 2(TX)</u>
<b>Passband:</b>	698-722 MHz	728-746 MHz
<b>Bandwidth:</b>	24 MHz	18 MHz
<b>Passband Return Loss:</b>	14 dB Min.	14 dB Min.
<b>Passband Insertion Loss:</b>	1.2 dB Max.	1.2 dB Max.
<b>Isolation:</b>	≥70 dB	≥70 dB
<b>Power Handling:</b>	50 Watts	50 Watts
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms

<u>Mechanical</u>	
<b>Mounting Method:</b>	12-24 Threaded Holes
<b>Connector Type:</b>	N-Type (F)
<b>Dimensions:</b>	217 x 217 x 59 mm

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