



# 4940-4990 MHz / 6425-6525 MHz Cavity Duplexer

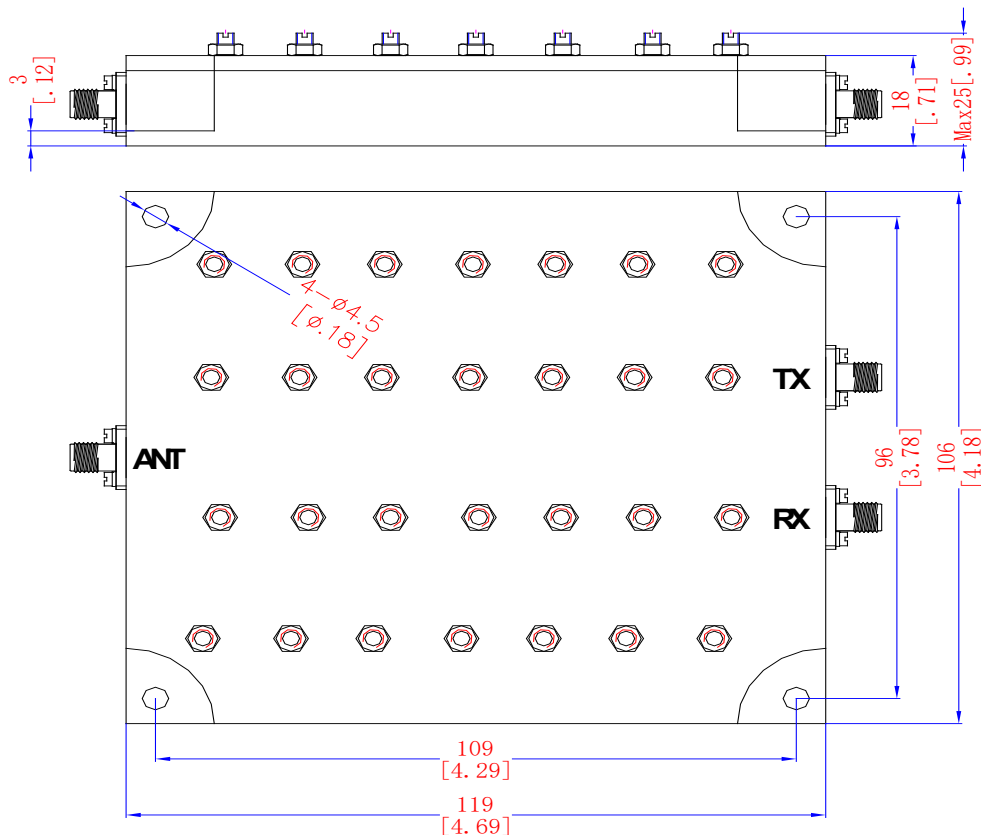


**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE4965-6475DB5486**

<u>Characteristics</u>	<u>Band 1(RX)</u>	<u>Band 2(TX)</u>	<u>Mechanical</u>	
<b>Passband:</b>	4940-4990 MHz	6425-6525 MHz	<b>Mounting Method:</b>	Through Holes
<b>Bandwidth:</b>	50 MHz	100 MHz	<b>Connector Type:</b>	SMA(F)
<b>Return Loss:</b>	15 dB Min.	15 dB Min.	<b>Dimensions:</b>	4.69 x 4.18 x 0.99 in.
<b>Insertion Loss:</b>	1.2 dB Max.	1.5 dB Max.	<b>Dimensions (mm):</b>	119 X 106 X 25 mm.
<b>Rejection:</b>	50dB Min @ 5010 MHz	50dB Min @ 6405MHz	<u>Environmental</u>	
<b>Power Handling:</b>	25 Watts	25 Watts	<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms	<b>Storage Temperature:</b>	-55 to +85 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.