



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

**2024-2046 MHz / 2089-2111 MHz**

**Cavity Duplexer**

**Part Number: AE2035-2100DB5493**

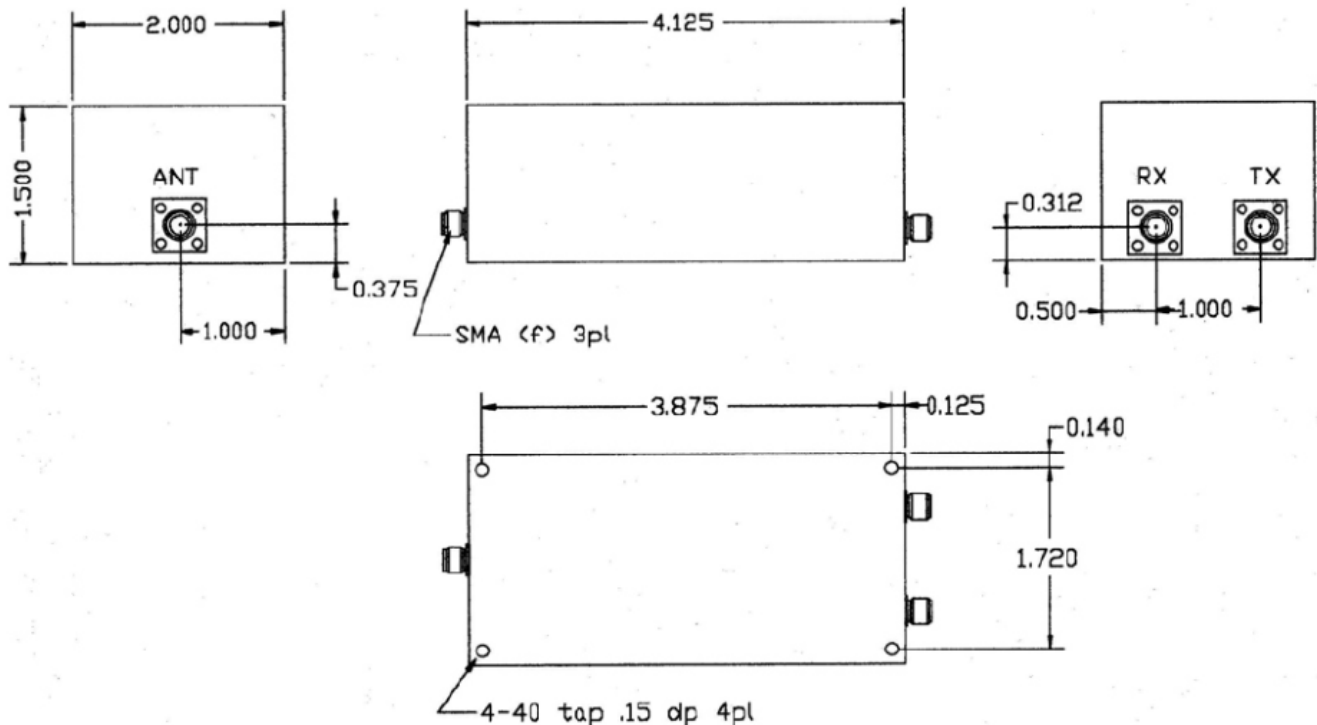


<u>Characteristics</u>	<u>Band 1 (RX)</u>	<u>Band 2(TX)</u>
<b>Center Frequency:</b>	2035 MHz	2100 MHz
<b>Passband:</b>	2024-2046 MHz	2089-2011 MHz
<b>Bandwidth:</b>	22 MHz	22 MHz
<b>Return Loss:</b>	15 dB min	15 dB min
<b>Insertion Loss:</b>	2 dB max	2 dB max
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Isolation:</b>	50 dB min	50 dB min
<b>Power Handling:</b>	25 W	25 W

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Holes
<b>Connector Type:</b>	SMA(F)
<b>Dimensions:</b>	4.125 X 2 X 1.5 in.

<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +85 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 callout.