



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

# 2075 / 5125 MHz Cavity Diplexer

**Part Number: AE2075-5125DB5458**

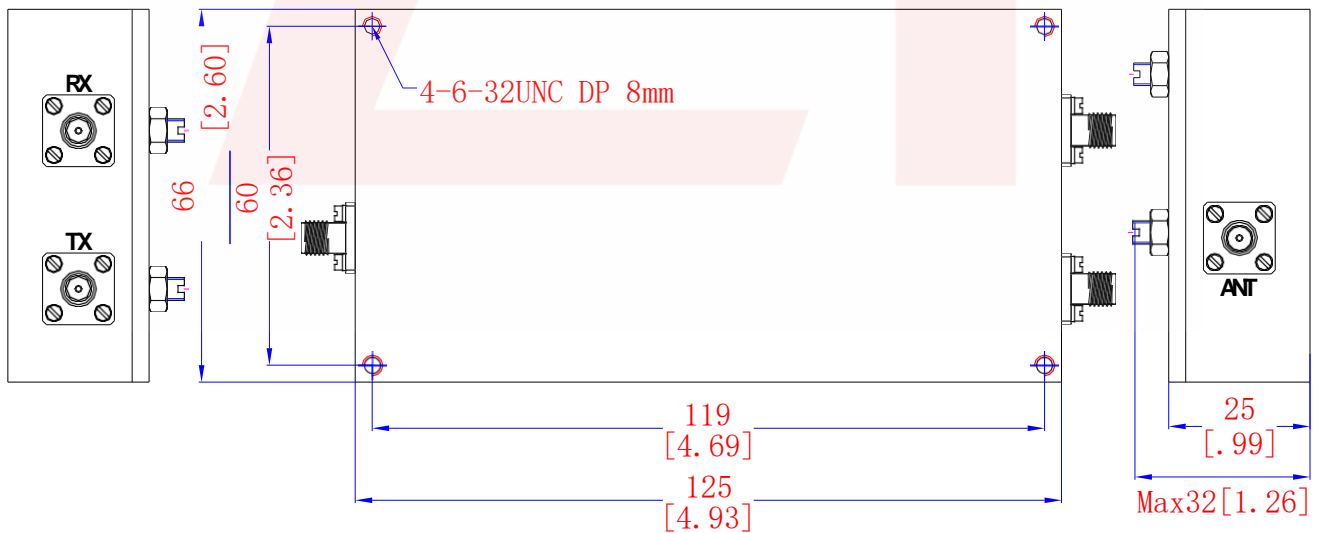


Characteristics	<u>ANT (RX)</u>	<u>ANT (TX)</u>
<b>Passband:</b>	1650 – 2500 MHz	4400 – 5850 MHz
<b>Bandwidth:</b>	850 MHz Min	1450 MHz Min
<b>Insertion Loss</b>	1.0 dB Max	1.0 dB Max
<b>Ripple:</b>	0.5 dB Max	0.5 dB Max
<b>Return Loss:</b>	11 dB Min	11 dB Min
<b>Rejection:</b>	70 dB Min @ 4400 – 5850 MHz	45 dB Min @ 1650 – 2500 MHz
<b>Impedance:</b>	50 Ohms In/Out	
<b>Power Handling:</b>	40 W Max	

<u>Mechanical</u>	
<b>Mounting Type:</b>	6-32 Threaded Holes
<b>Connectors:</b>	SMA Female
<b>Dimensions:</b>	4.93 x 2.60 x 1.26 in 125 x 66 x 32 mm

<u>Environmental</u>	
<b>Operating Temperature:</b>	-40°C to +70°C
<b>Storage Temperature</b>	-55°C to +85°C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20 G. 5 to 2000 Hz

## Outline Drawing:



DS-DB5458-08092024-Rev2



**RX:**

**Plot:**

12/19/2022 8:52:29 AM



**TX:**

12/19/2022 9:19:25 AM



DS-DB5458-08092024-Rev2