



# 2025–2125 MHz / 2200–2290 MHz S-Band Diplexer for MSS Application



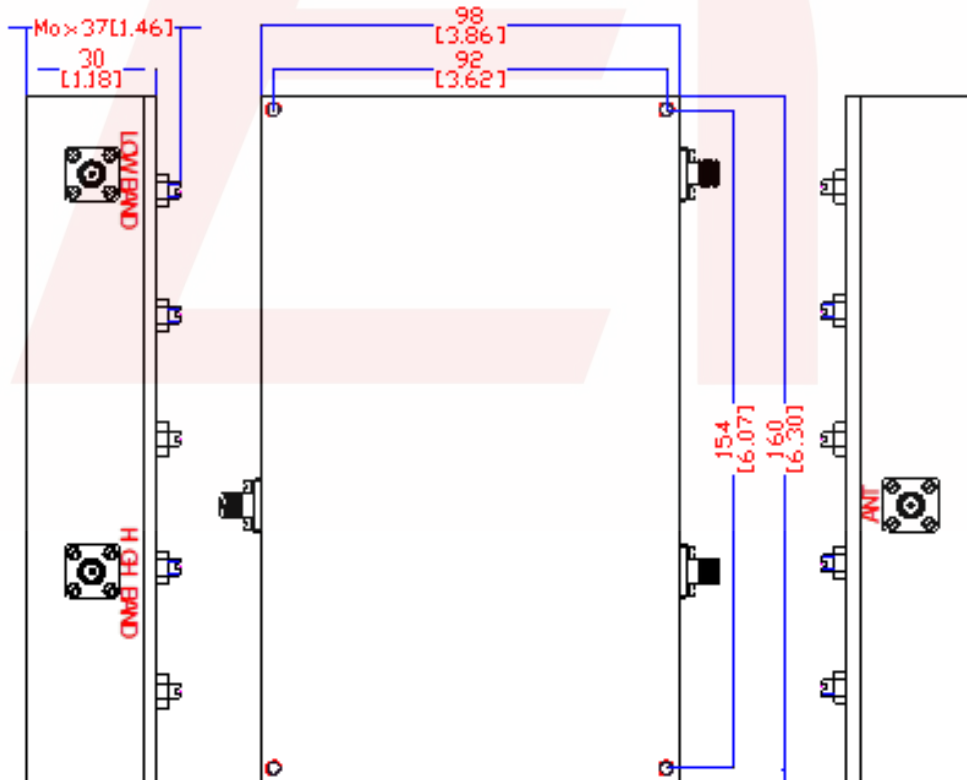
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE2075-2245DB5551**

Characteristics	Low Band	High Band
<b>Passband:</b>	2025 – 2125 MHz	2200 – 2290 MHz
<b>Return Loss:</b>	17 dB Min	17 dB Min
<b>Insertion Loss:</b>	0.5 dB Max	0.5 dB Max
<b>Rejection:</b>	40 dB Min @ 2200 – 2290 MHz	80 dB Min @ 2025 – 2125 MHz
<b>Impedance:</b>	50 Ohms In/Out	
<b>Power Handling:</b>	100 W Average Max	

<u>Mechanical</u>	
<b>Connectors:</b>	SMA Female
<b>Dimensions:</b>	6.30 x 3.86 x 1.46 in 160 x 98 x 37 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 200 Hz

## 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.

DS-DB5551-02282024-Rev0



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## Response Plot:

**RX:**



**TX:**



DS-DB5535-01312023-Rev0