



2025–2125 MHz / 2200–2300 MHz S-Band Diplexer for MSS Application



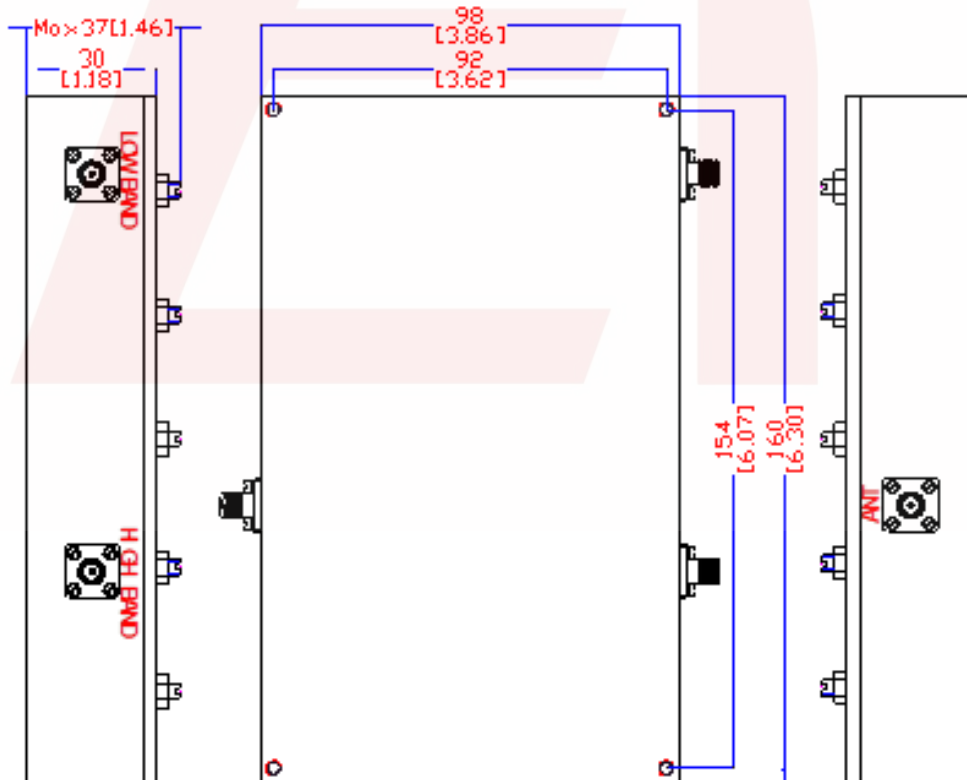
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE2075-2250DB5535

Characteristics	Low Band	High Band
Passband:	2025 – 2125 MHz	2200 – 2300 MHz
Return Loss:	17 dB Min	17 dB Min
Insertion Loss:	0.5 dB Max	0.5 dB Max
Rejection:	40 dB Min @ 2200 – 2300 MHz	80 dB Min @ 2025 – 2125 MHz
Impedance:	50 Ohms In/Out	
Power Handling:	100 W Average Max	

<u>Mechanical</u>	
Connectors:	SMA Female
Dimensions:	6.30 x 3.86 x 1.46 in 160 x 98 x 37 mm
<u>Environmental</u>	
Operating Temperature:	-40°C to +70°C
Storage Temperature	-55°C to +85°C
Shock:	20 G. 11ms
Vibration:	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-DB5535-01312023-Rev0



Response Plot:

RX:



TX:

