



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

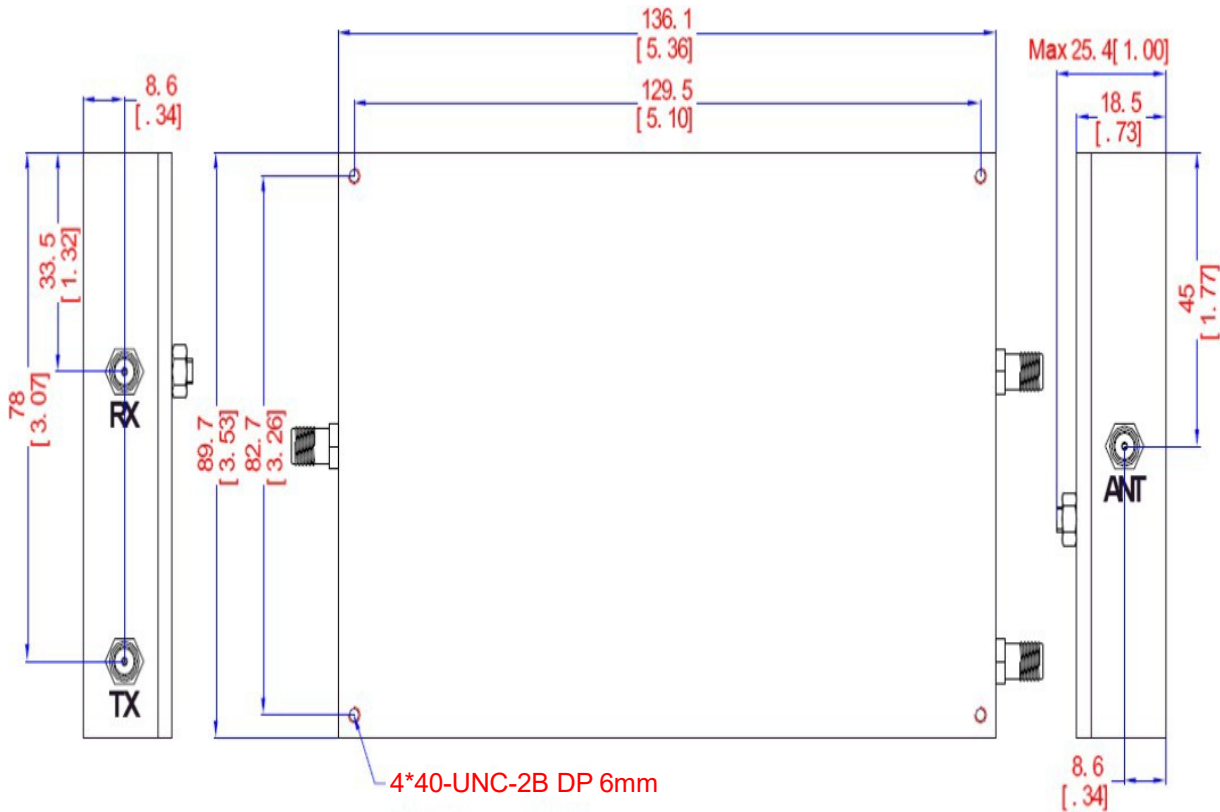
4400-5000 MHz / 5250-5850 MHz Cavity Duplexer

Part Number: AE4700-5550DB5470



Characteristics	Band 1 (RX)	Band 2 (TX)	Mechanical
Passband:	4400-5000 MHz	5250-5850 MHz	Mounting Method: 4-40 Threaded Holes
Bandwidth:	600 MHz	600 MHz	
Passband Return Loss:	≥16 dB	≥16 dB	Connector Type: SMA (F)
Passband Insertion Loss:	≤0.8 dB	≤0.8 dB	Dimensions: 5.36 x 3.53 x .73 inches
Passband Ripple:	≤0.35 dB	≤0.35 dB	
Input / Output Impedance:	50 Ohms	50 Ohms	Environmental
Isolation:	≥100 dB	≥100 dB	Operating Temperature: -45 to +85 deg.C
Power Handling:	35 Watts	35 Watts	Storage Temperature: -55 to +95 deg.C
			Altitude: 35000 Feet

Outline Drawing:



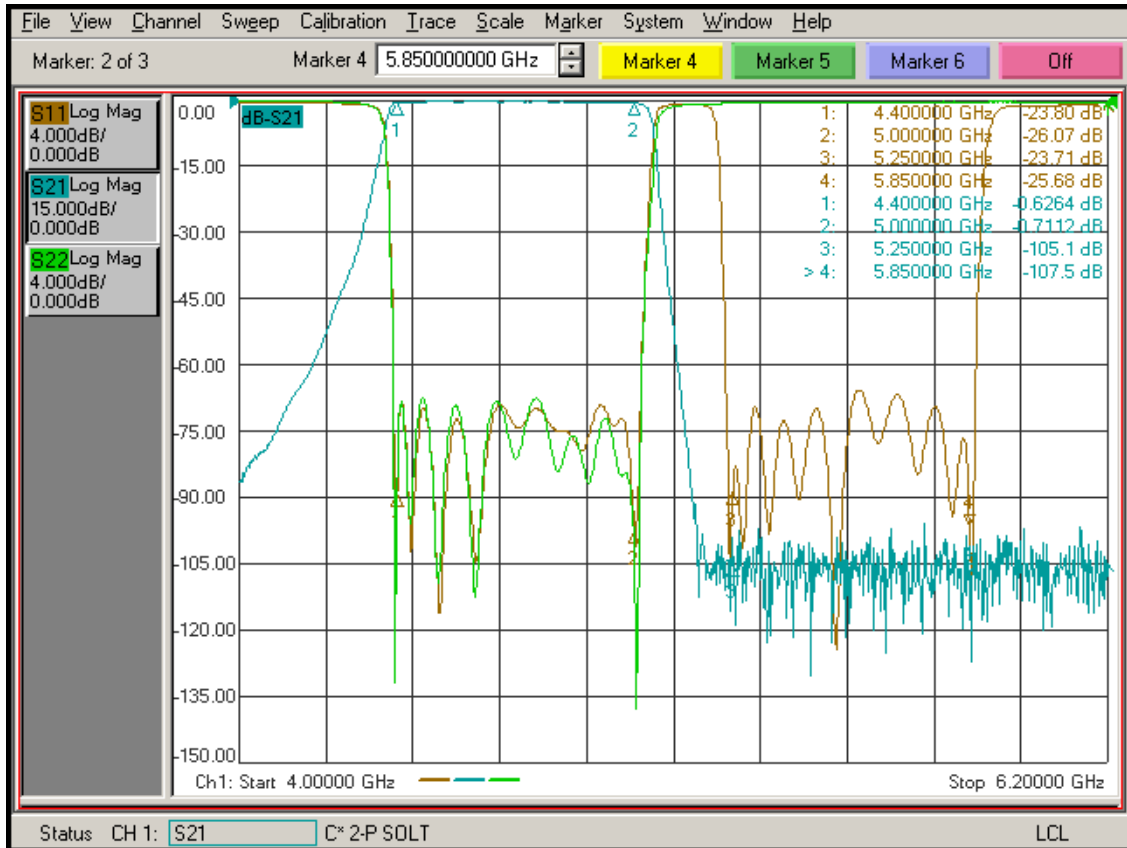
Tolerance: +/-0.01 inches [+/- 0.3mm] Angles: +/- 1 Deg.

*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.



Response Plot of Band 1:





Response Plot of Band 2:

