



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

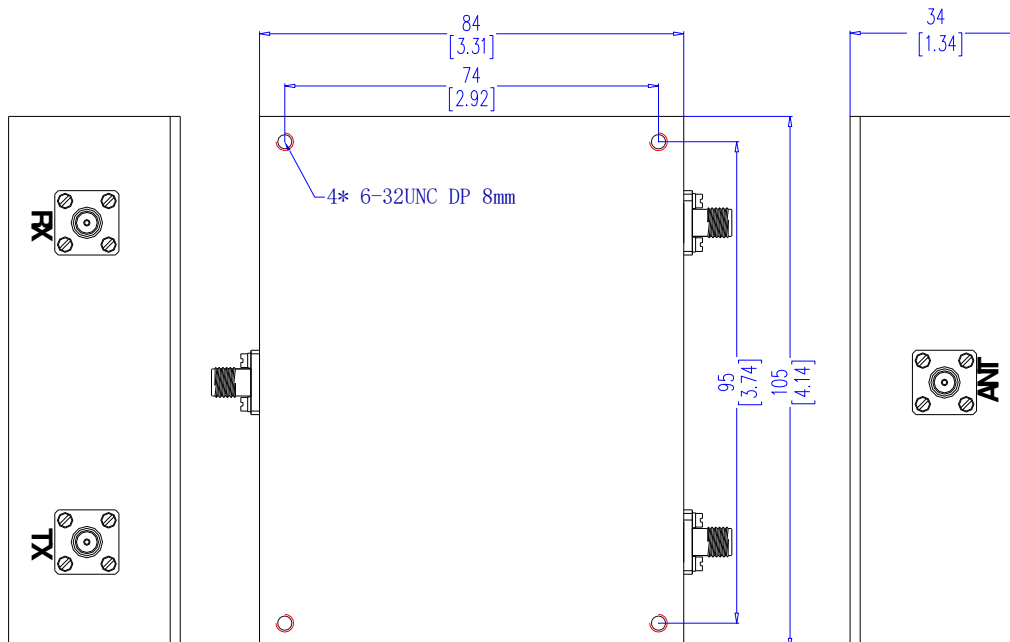
1920-2010 MHz / 2110-2200 MHz Cavity Duplexer

Part Number: AE1965-2155DB5514-O



<u>Characteristics</u>	<u>Band 1 (RX)</u>	<u>Band 2 (TX)</u>	<u>Mechanical</u>	
Center Frequency:	1965 MHz	2155 MHz	Mounting Method:	6-32 Threaded Mounting Holes
Passband:	1920-2010 MHz	2110-2200 MHz	Connector Type:	SMA (F)
Passband Return Loss:	>=15 dB	>=15 dB	Dimensions:	3.74" x 3.31" x 1.34"(max) 95 x 84 x 34(max) mm
Passband Insertion Loss:	<= 1.0 dB	<= 1.0 dB	Environmental	
Passband Ripple:	0.2 dB max	0.2 dB max	Operating Temperature:	-50 to +80 deg.C
Input / Output Impedance:	50 Ohms	50 Ohms	Storage Temperature:	-65 to +90deg.C
Rejection @ 1000-1600 MHz	>=50 dB		Shock:	20 G. 11 ms
Rejection @ 2700-3100 MHz		>=50 dB	Vibration:	20 G. 5 to 200 Hz
Isolation:	>50 dB	>50 dB	Outdoor Rating	IP65
Power Handling:	50 Watt	50 Watt		

Outline Drawing:

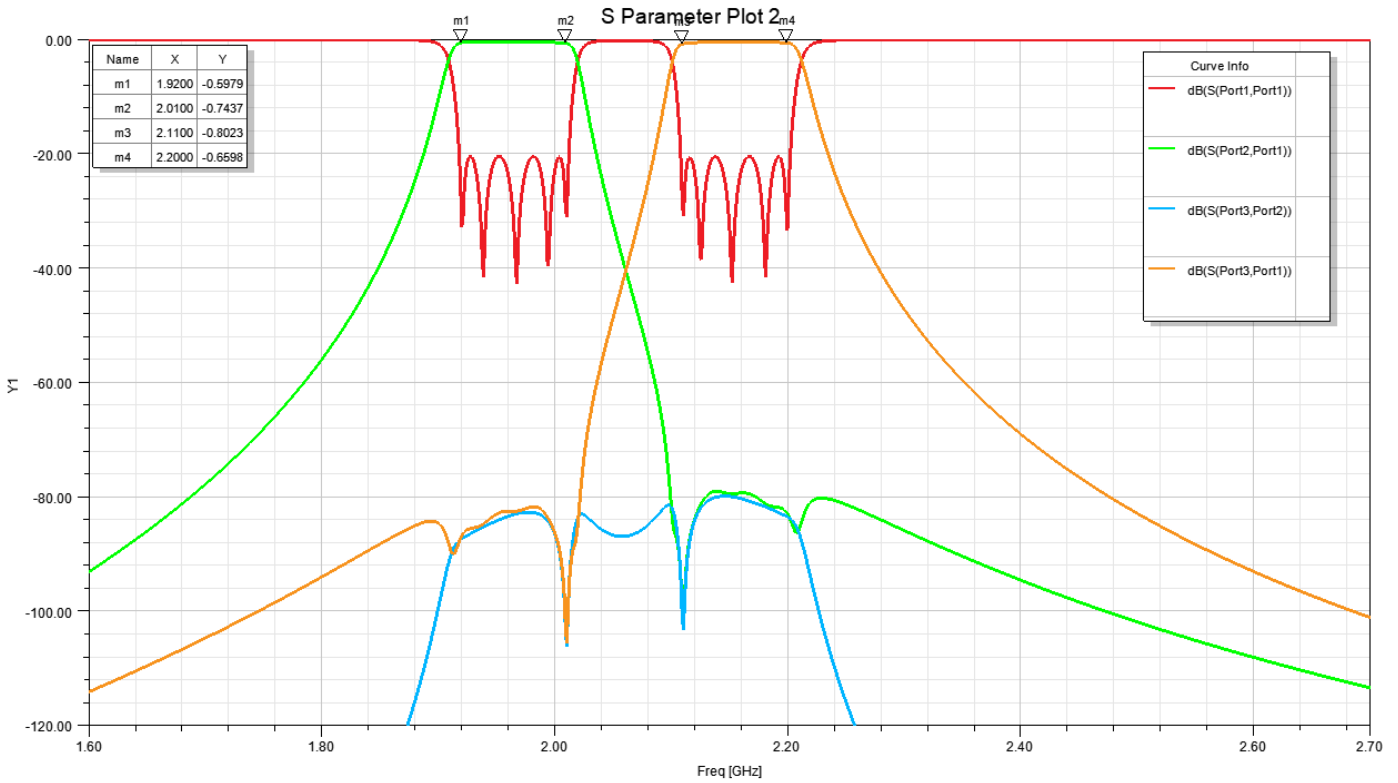


2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



Simulated Response Plot



Note: This is a simulated response plot. Actual results may differ.