



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

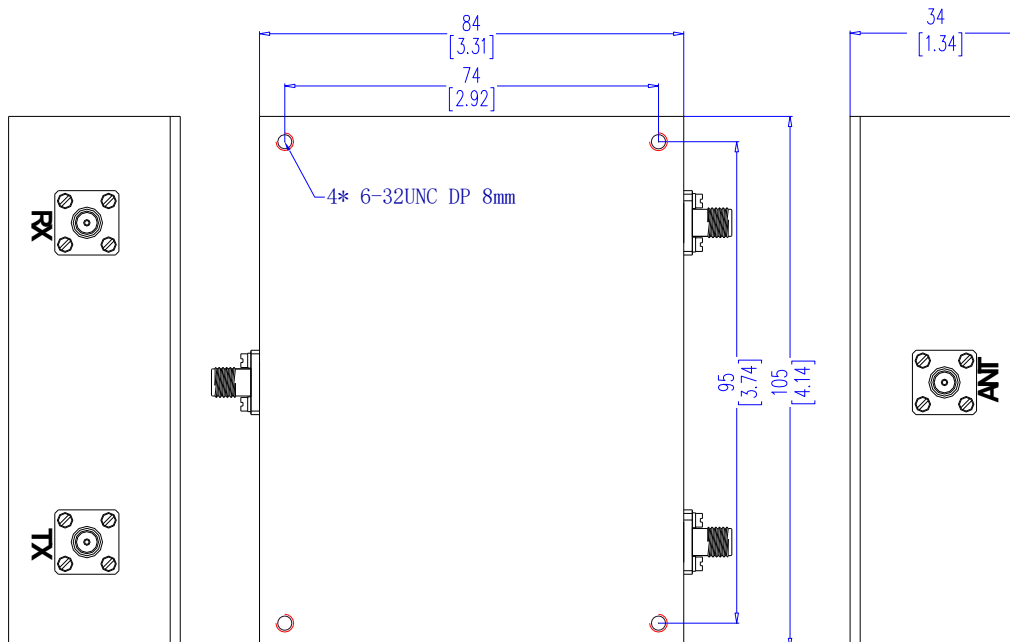
# 1920-2010 MHz / 2110-2200 MHz Cavity Duplexer

**Part Number: AE1965-2155DB5514-O**



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

## Outline Drawing:

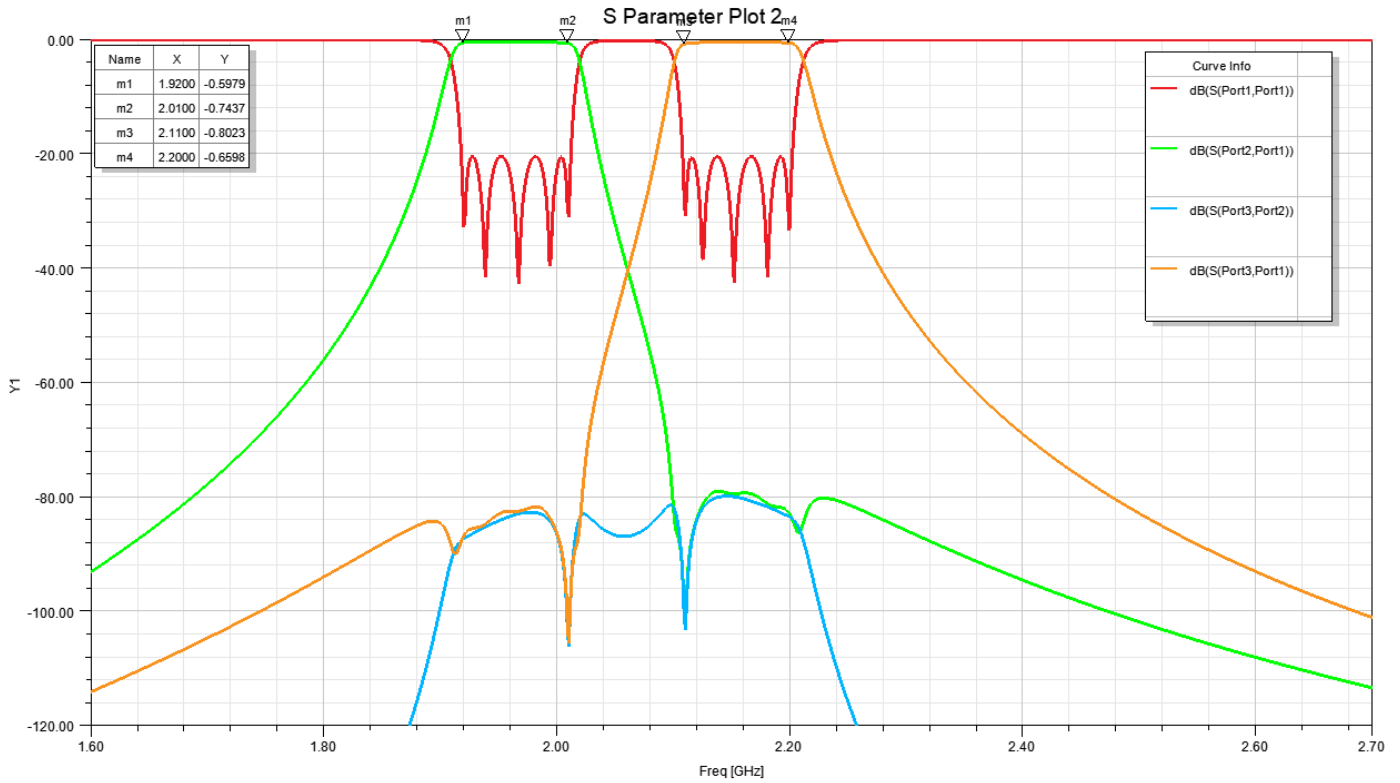


2 decimal places: +/-0.01 inches [ +/- 0.3mm]  
3 decimal places: +/- 0.005 inches [ +/- 0.13mm]  
Angles: +/- 1 Deg.

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.