



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1400-1600 MHz / 2200-2400 MHz Cavity Duplexer

Part Number: AE1500-2300DB5517

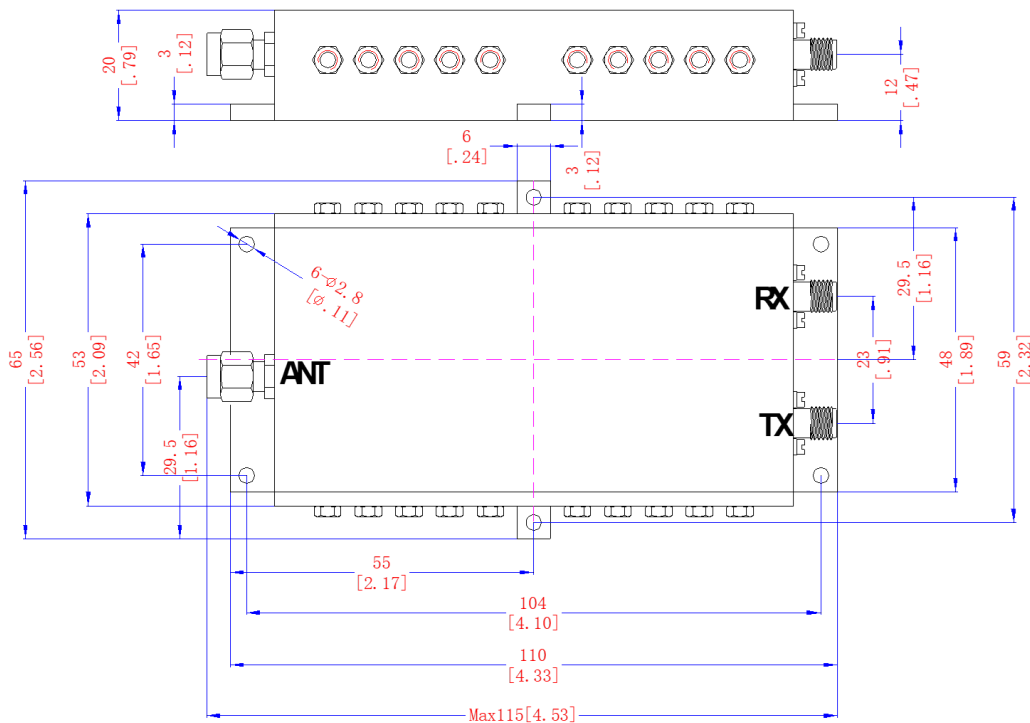


<u>Characteristics</u>	<u>Band 1 (RX)</u>	<u>Band 2 (TX)</u>
Center Frequency:	1500 MHz	2300 MHz
Passband:	1400-1600 MHz	2200-2400 MHz
Bandwidth:	200 MHz	200 MHz
Passband Return Loss:	>=11 dB	>=11 dB
Passband Insertion Loss:	<= 1.0 dB	<= 1.0 dB
Passband Ripple:	0.2 dB max	0.2 dB max
Input / Output Impedance:	50 Ohms	50 Ohms
Isolation:	>80 dB	>80 dB
Power Handling:	25 Watt	25 Watt

<u>Mechanical</u>	
Mounting Method:	0.11" Dia Thru hole 6 places
Connectors:	ANT: SMA M / RX-TX: SMA F
Dimensions:	4.33"(Flange), x 2.36"(max) X 0.79" 110 (flange) x 60 (max) x 20 mm

<u>Environmental</u>	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-55 to +85 deg.C
Shock:	20 G. 11 ms
Vibration:	20 G. 5 to 200 Hz

Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]

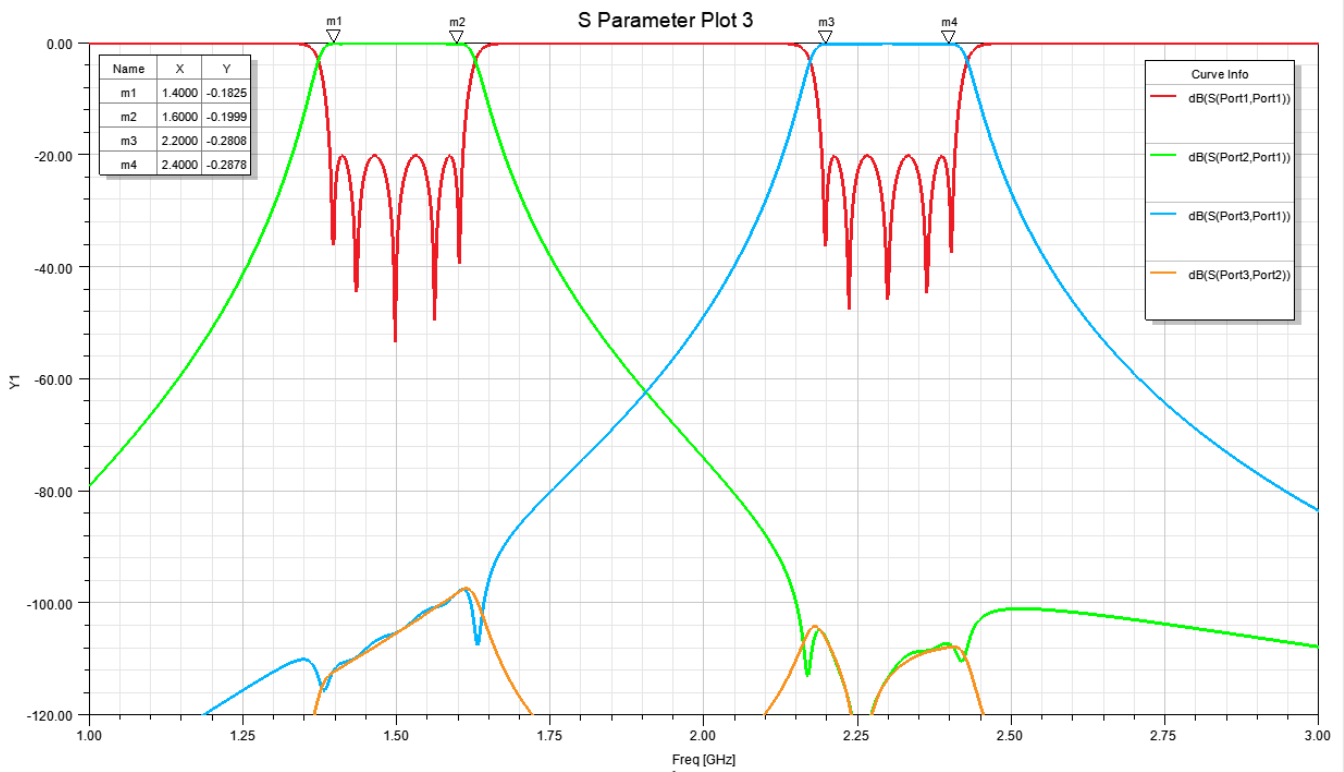
3 decimal places: +/- 0.005 inches [+/- 0.13mm]

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.