



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

## 2500-2590 MHz / 2650-2690 MHz Cavity Duplexer

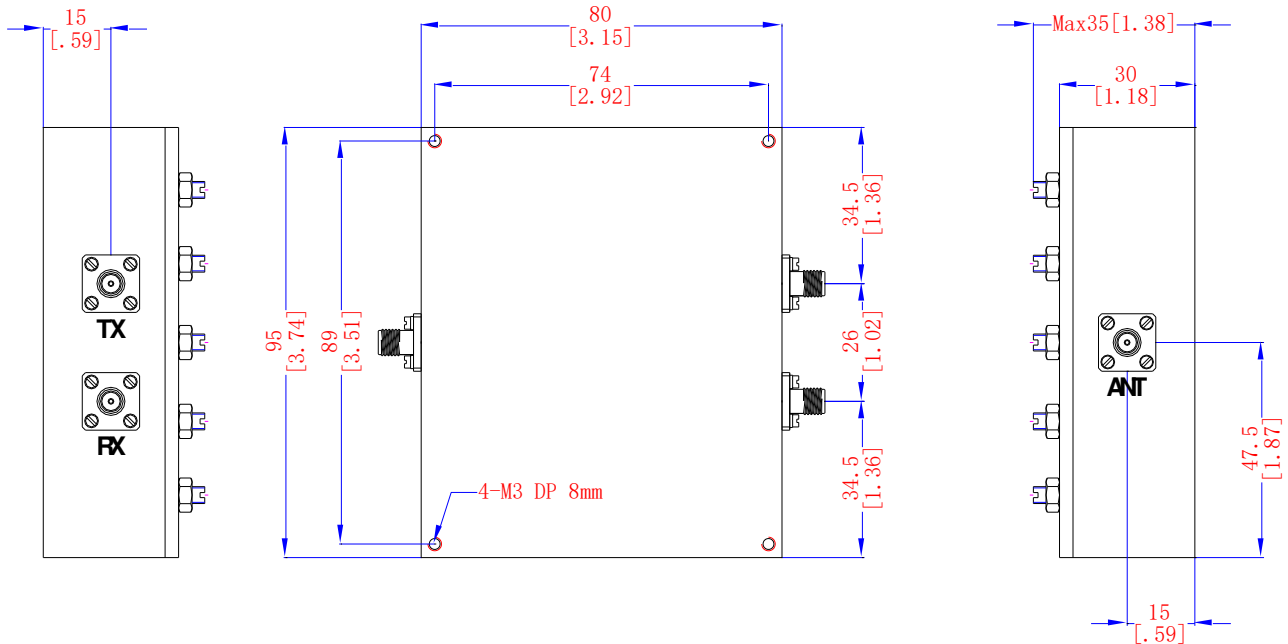
**Part Number: AE2545-2670DB5513**



<u>Characteristics</u>	<u>Band 1 (RX)</u>	<u>Band 2 (TX)</u>
<b>Center Frequency:</b>	2545 MHz	2670 MHz
<b>Passband:</b>	2500-2590 MHz	2650-2690 MHz
<b>Bandwidth:</b>	90 MHz	40 MHz
<b>Passband Return Loss:</b>	>=15 dB	>=15 dB
<b>Passband Insertion Loss:</b>	<= 1.0 dB	<= 1.0 dB
<b>Passband Ripple:</b>	0.2 dB max	0.2 dB max
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Isolation:</b>	>90 dB	>90 dB
<b>Power Handling:</b>	25 Watt	25 Watt

<u>Mechanical</u>	
<b>Mounting Method:</b>	6-32 Threaded Mounting Holes
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	3.74" x 3.15" x 1.38"(max) 95 x 80 x 35(max) mm
<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-55 to +85 deg.C
<b>Shock:</b>	20 G. 11 ms
<b>Vibration:</b>	20 G. 5 to 200 Hz

### Outline Drawing:

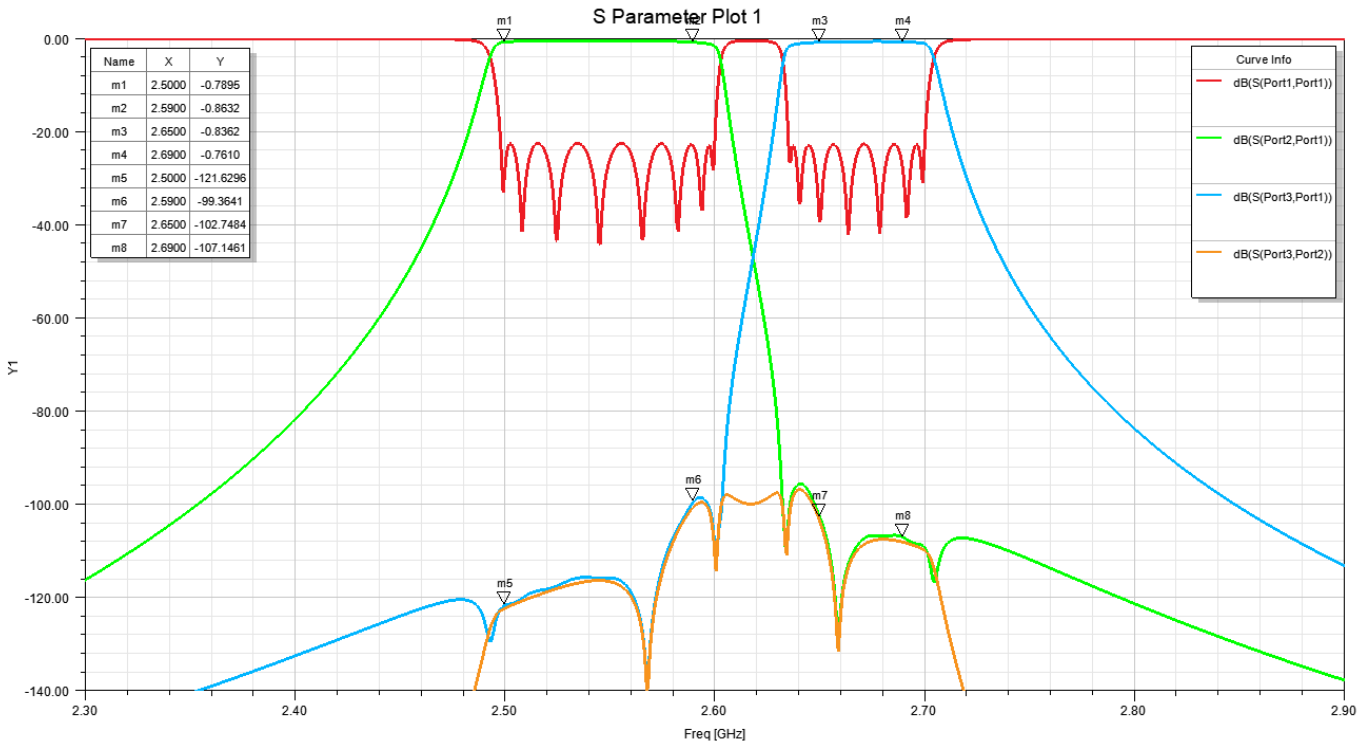


2 decimal places: +/-0.01 inches [ +/- 0.3mm]  
3 decimal places: +/- 0.005 inches [ +/- 0.13mm]  
Angles: +/- 1 Deg.

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.