



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

2500-2590 MHz / 2650-2690 MHz Cavity Duplexer

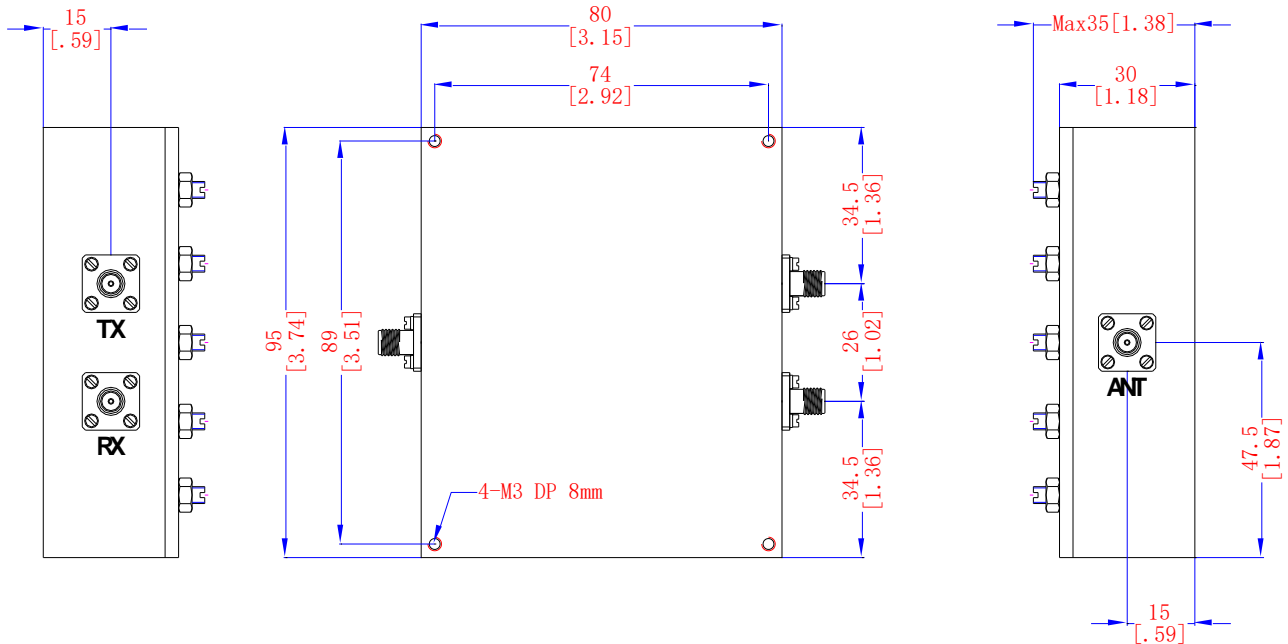
Part Number: AE2545-2670DB5513



<u>Characteristics</u>	<u>Band 1 (RX)</u>	<u>Band 2 (TX)</u>
Center Frequency:	2545 MHz	2670 MHz
Passband:	2500-2590 MHz	2650-2690 MHz
Bandwidth:	90 MHz	40 MHz
Passband Return Loss:	>=15 dB	>=15 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:	>90 dB	>90 dB
Power Handling:	25 Watt	25 Watt

<u>Mechanical</u>	
Mounting Method:	6-32 Threaded Mounting Holes
Connector Type:	SMA (F)
Dimensions:	3.74" x 3.15" x 1.38"(max) 95 x 80 x 35(max) 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:

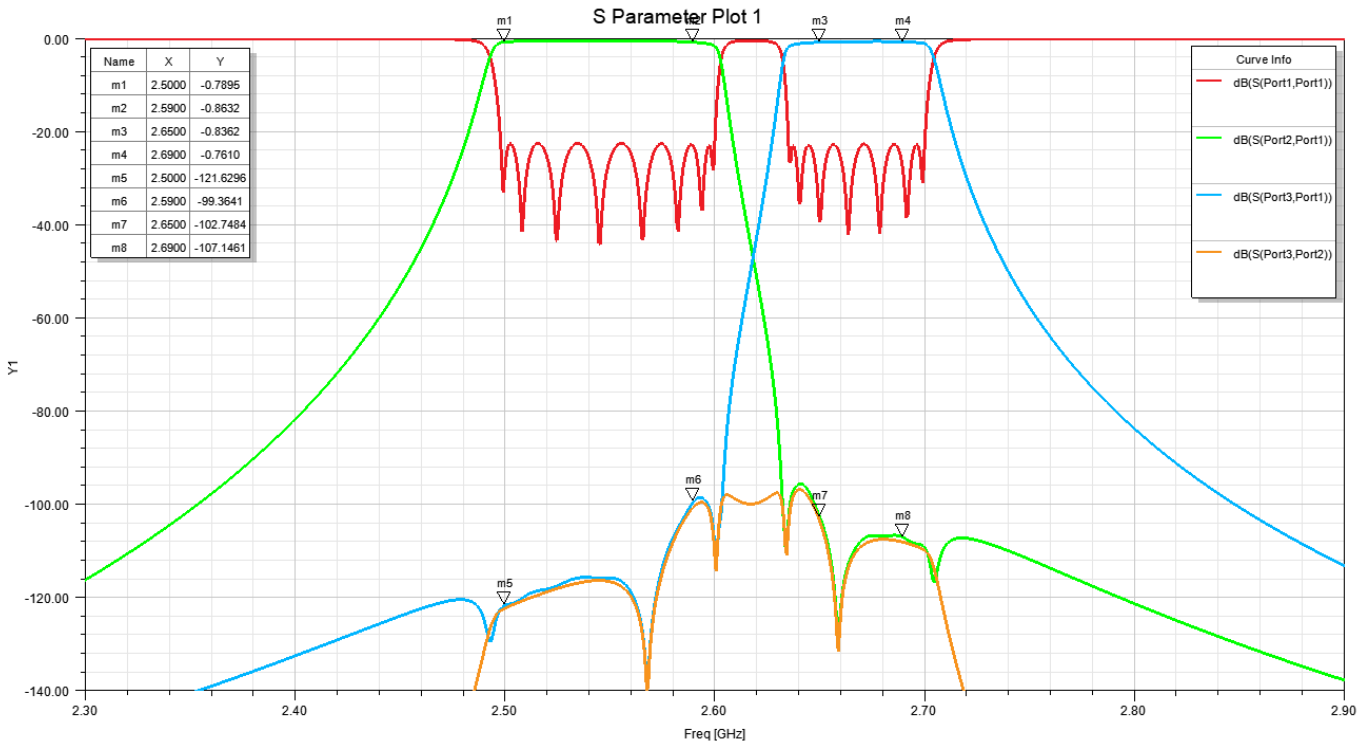


2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

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.