



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

811 MHz / 856 MHz Dual Band Cavity Bandpass Filter

Part Number: AE811-856DBB1175

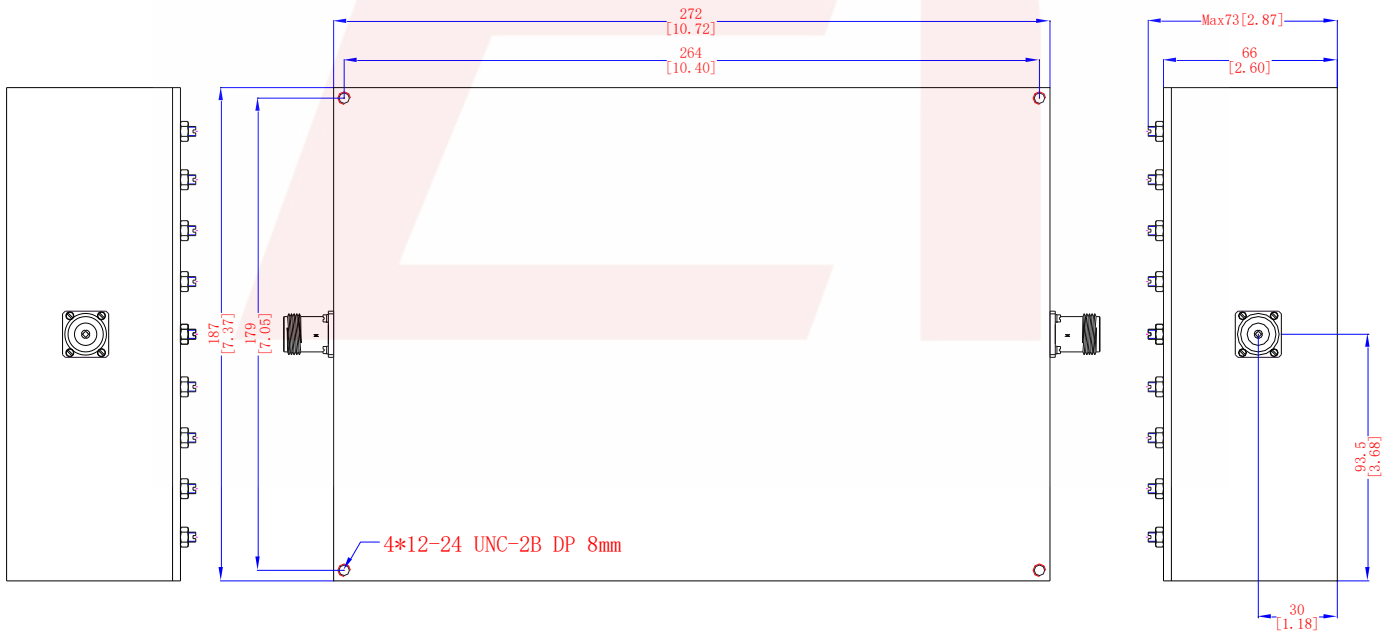


Characteristics	Band 1	Band 2
Passband:	806 – 816 MHz	851 – 861 MHz
Bandwidth:	10 MHz	10 MHz
Insertion Loss:	1.0 dB Max	1.0 dB Max
Return Loss:	15 dB Min	15 dB Min
Rejection:	45 dB Min @ 820 – 840 MHz	
Impedance:	50 Ohms In/Out	
Power Handling:	50 W CW Max	

Mechanical	
Mounting Method:	12-24 Threaded Hole
Connector Type:	N Type (F)
Dimensions:	10.72 x 7.37 x 2.87 inches

Environmental	
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.

DS-DBB1175-09072023-Rev0

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



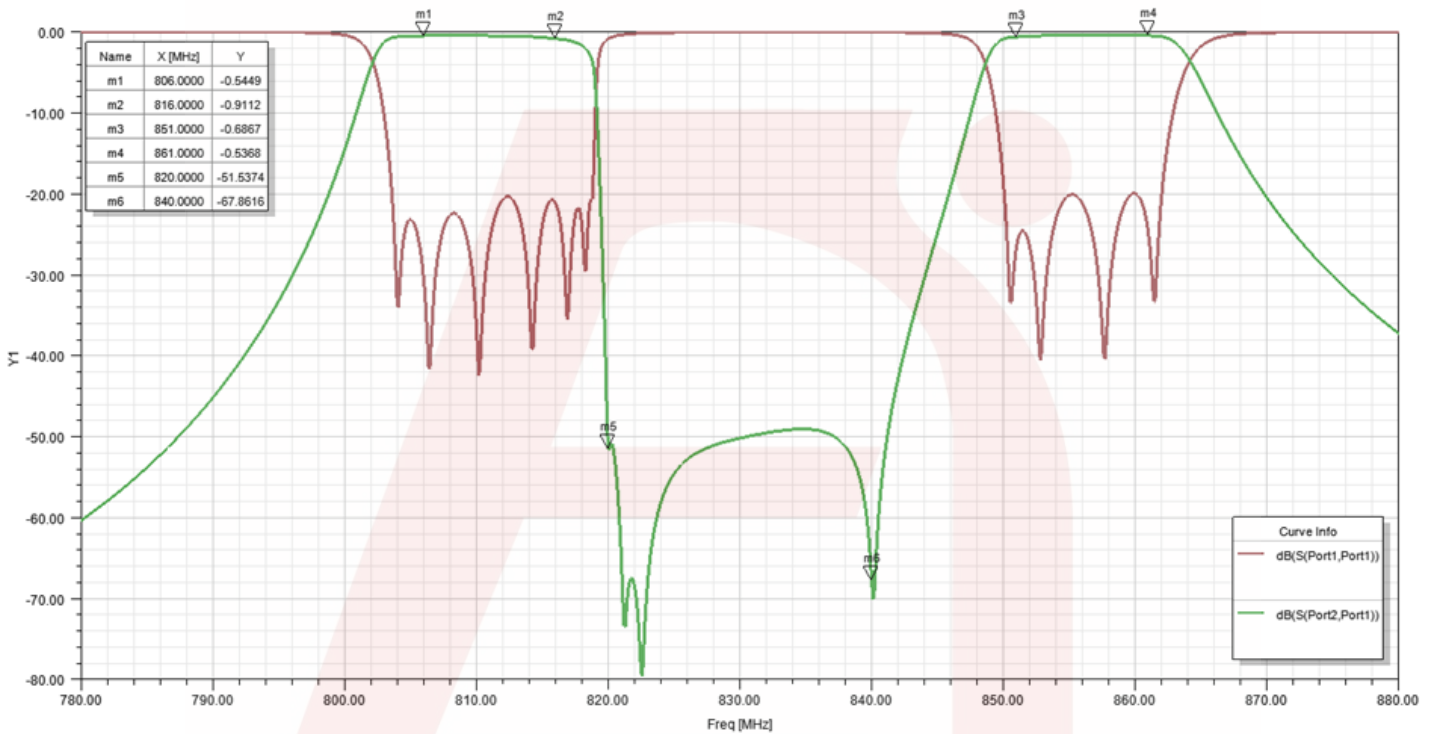
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Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ once product is manufactured.

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