



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

**817-824/862-869 MHz
Cavity Duplexer
Part Number: AD820-865D247**

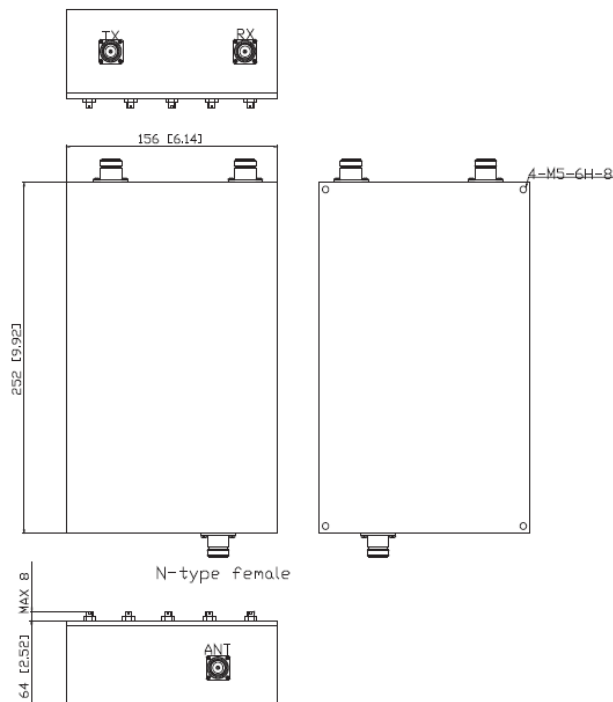


<u>Characteristics</u>	<u>Band 1 (Rx)</u>	<u>Band 2 (Tx)</u>
Passband:	817-824 MHz	862-869 MHz
Insertion loss:	1 dB across passband	85 dBc@806-894
Ripple:	1.5 across passband	1.5 dB@806-894 MHz
Return loss:	>18 dB	>18 dB
Rejection:	70 dB@DC-806 MHz 85 dB@650-680 MHz 70 dB@680-750 MHz 40 dB@780-790 MHz 65 dB@862-869 MHz 18 dB@869-1400 MHz 45 dB@1390-1570 MHz 25 dB@1570-2000 MHz	80 dB@DC-806 MHz 70 dB@806-824 MHz 50 dB@824-860 MHz 10 dB@860-861 MHz 20 dB@920-2000 MHz
Power input:	100 Watts	100 Watts
Peak Power:	1100 Watts	1100 Watts

<u>Mechanical</u>	
Mounting Method:	Threaded Mounting Holes
Connector Type:	N-Type (F)
Dimensions:	9.92" x 6.14" x 2.52" in

<u>Environmental</u>	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C

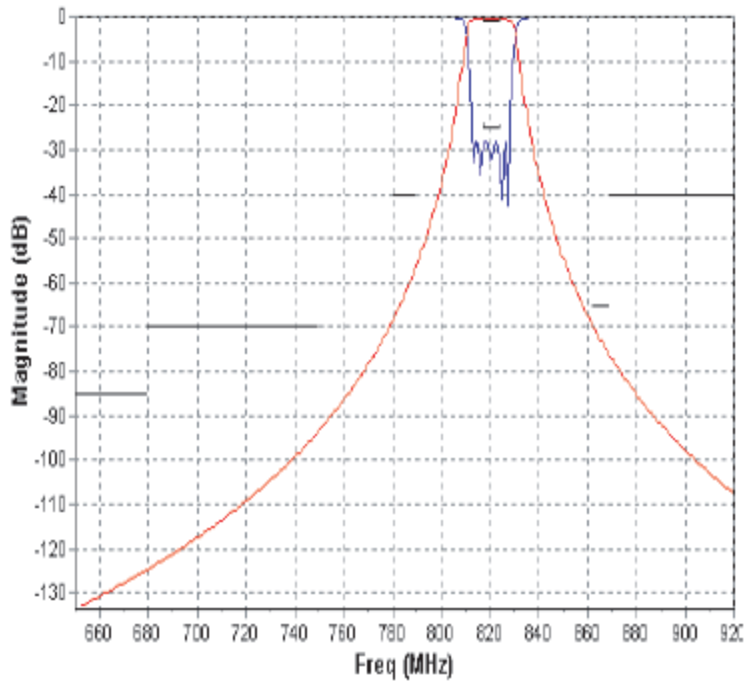
Outline Drawing:





Response plots:

ANT-RX



ANT-TX

