



# 815 MHz / 860 MHz Cavity Duplexer

## Part Number: AD815-860D434

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



<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	806-824 MHz	851-869 MHz
<b>Bandwidth:</b>	18 MHz	18 MHz
<b>Passband Return Loss:</b>	≥18 dB	≥18 dB
<b>Passband Insertion Loss:</b>	≤1.0 dB	≤1.0 dB
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Rejection:</b>	≥70 dB @ 851-869 MHz	≥70 dB @ 806-824 MHz
<b>Isolation:</b>	≥70 dB	≥70 dB
<b>Power Handling:</b>	120W (Avg.) 1KW (Peak)	120W (Avg.) 1KW (Peak)
<b>IM3 at Duplexed Port in Rx Band:</b>	≥135dBc(2*+43dB m)	≥135dBc(2*+43dB m)

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Mounting Holes
<b>Connector Type:</b>	N-Type (F)
<b>Dimensions:</b>	6.62 x 4.57 x 1.5 inches

<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +65 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C

### Outline Drawing:

