



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

**806-824 MHz / 851-869MHz  
Cavity Duplexer  
Part Number: AD815-860D350**

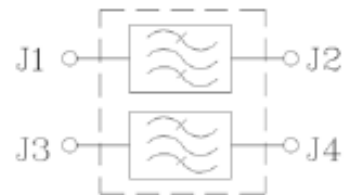
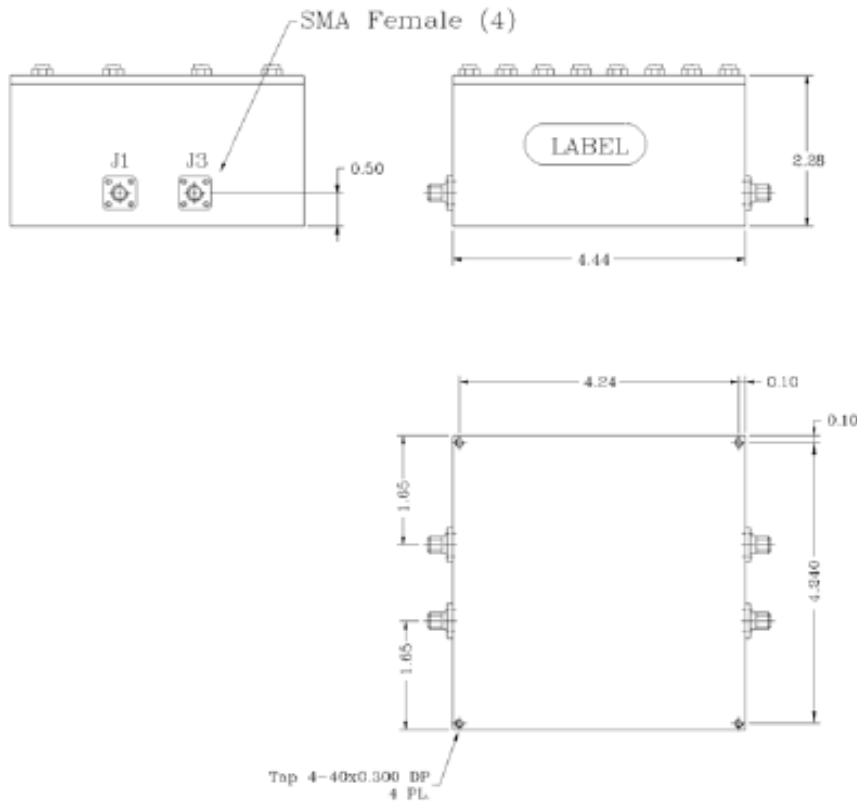


<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	806-824 MHz	851-869 MHz
<b>Bandwidth:</b>	18 MHz	18 MHz
<b>Passband Return Loss:</b>	17 dB	17 dB
<b>Passband Insertion Loss:</b>	< 1.1 dB	< 1.1 dB
<b>Passband Ripple:</b>	< 0.3 dB	< 0.3 dB
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Isolation:</b>	90 dB	90 dB
<b>Power Handling:</b>	20 Watts	20 Watts

<u>Mechanical</u>	
<b>Mounting Method:</b>	4-40 Threaded Mounting Holes
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	4.44 x 4.44 x 2.23 inches

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

**Outline Drawing:**



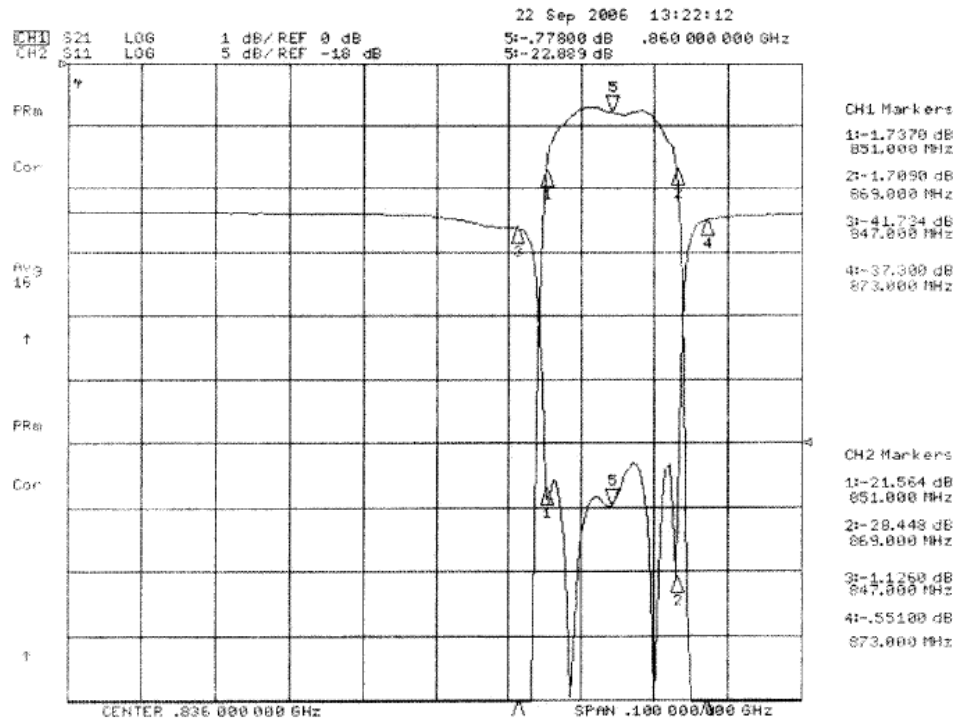
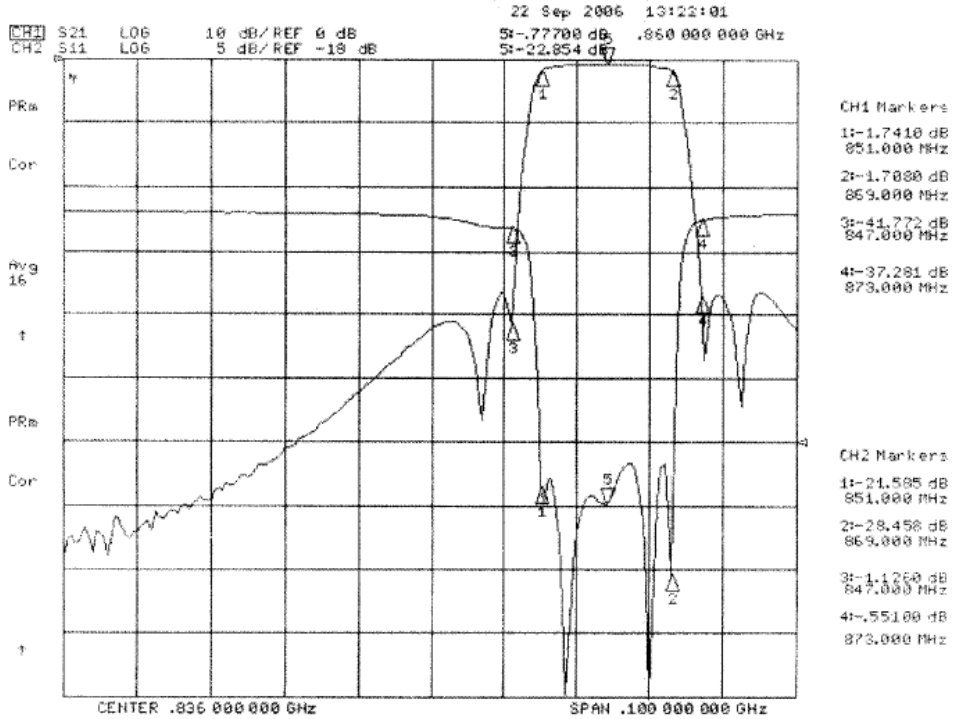


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**Response Plots:**



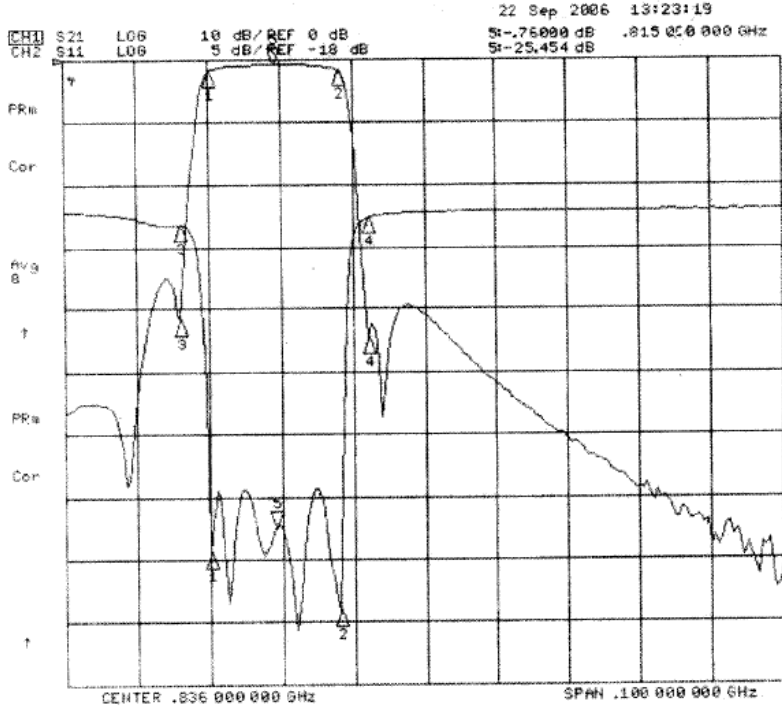


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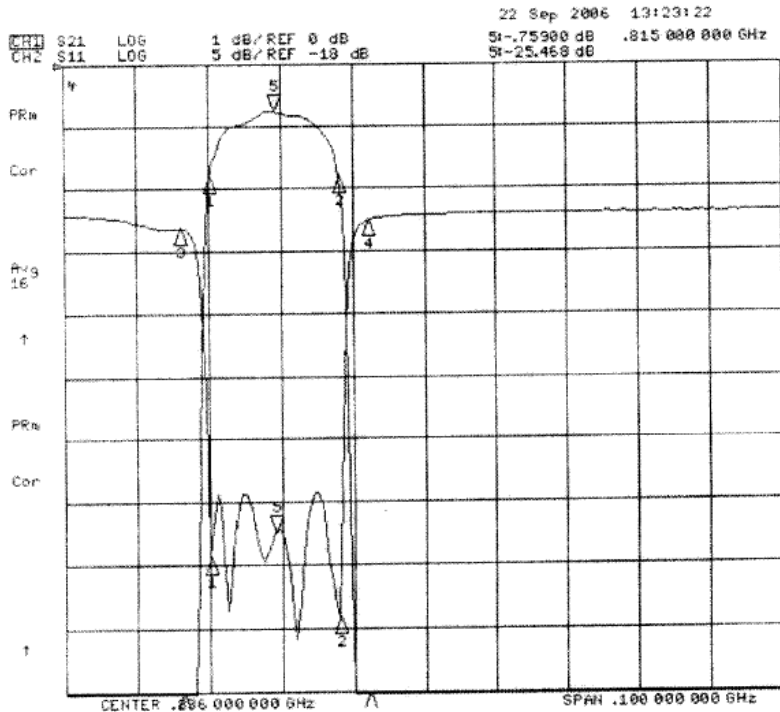


**Response Plots:**



- CH1 Markers
- 1:-1.8320 dB  
806.000 MHz
  - 2:-1.8240 dB  
824.000 MHz
  - 3:-41.806 dB  
802.000 MHz
  - 4:-44.740 dB  
828.000 MHz

- CH2 Markers
- 1:-27.423 dB  
806.000 MHz
  - 2:-32.125 dB  
824.000 MHz
  - 3:-1.9200 dB  
802.000 MHz
  - 4:-6.2200 dB  
828.000 MHz



- CH1 Markers
- 1:-1.8300 dB  
806.000 MHz
  - 2:-1.8200 dB  
824.000 MHz
  - 3:-41.807 dB  
802.000 MHz
  - 4:-44.732 dB  
828.000 MHz

- CH2 Markers
- 1:-27.469 dB  
806.000 MHz
  - 2:-32.114 dB  
824.000 MHz
  - 3:-1.9200 dB  
802.000 MHz
  - 4:-6.2300 dB  
828.000 MHz