



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

**806-824 MHz / 851-869 MHz
Cavity Duplexer
Part Number: AD815-860D349**

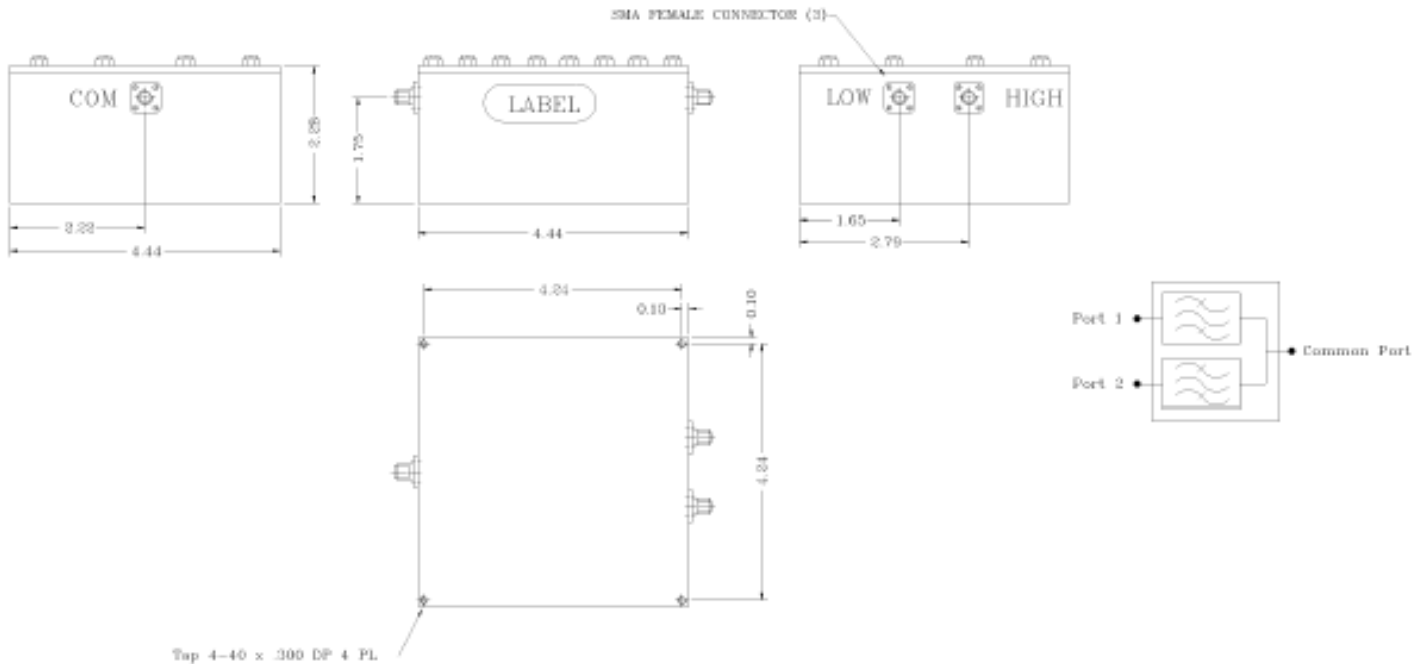


<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
Passband:	806-824 MHz	851-869 MHz
Bandwidth:	18 MHz	18 MHz
Passband Return Loss:	17 dB	17 dB
Passband Insertion Loss:	< 1.1 dB	< 1.1 dB
Passband Ripple:	< 0.3 dB	< 0.3 dB
Input / Output Impedance:	50 Ohms	50 Ohms
Isolation:	90 dB	90 dB
Power Handling: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

<u>Mechanical</u>	
Mounting Method:	Threaded Mounting Holes
Connector Type:	SMA (F)
Dimensions:	4.44 X 4.44 X 2.28 inches

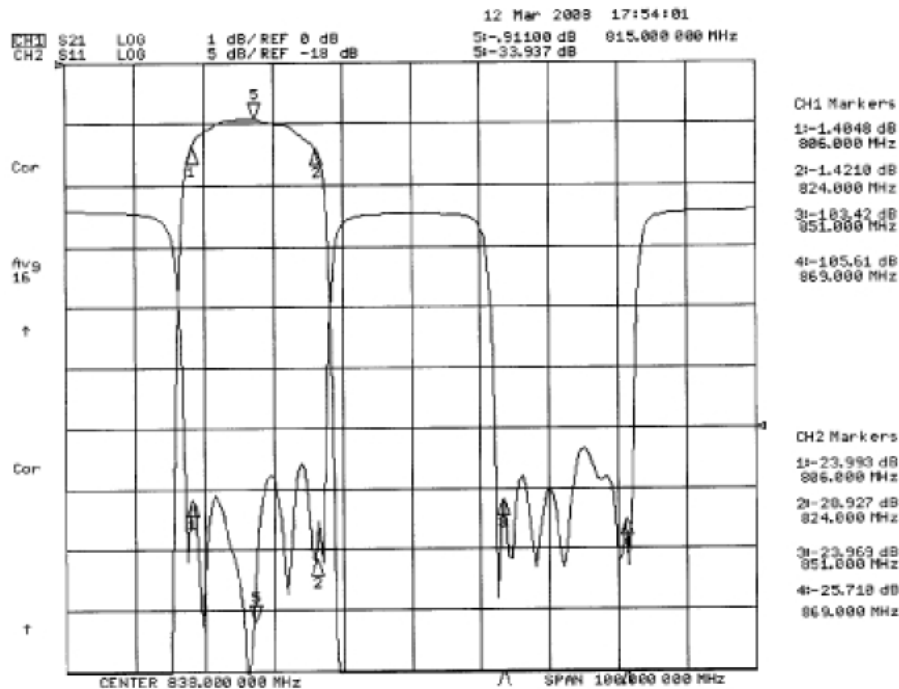
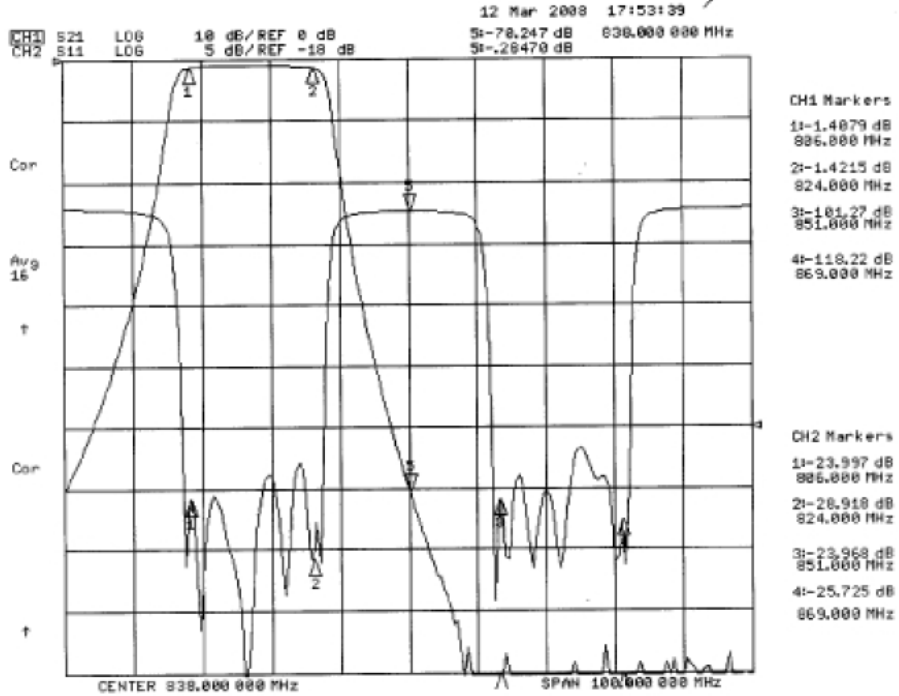
<u>Environmental</u>	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C

Outline Drawing:





Response Plots:



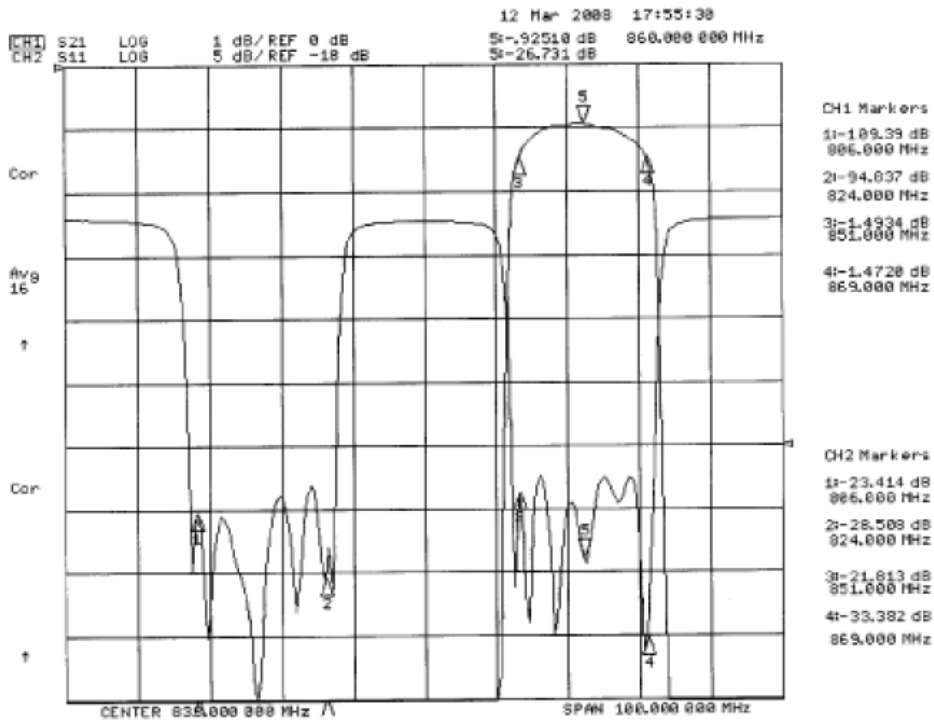
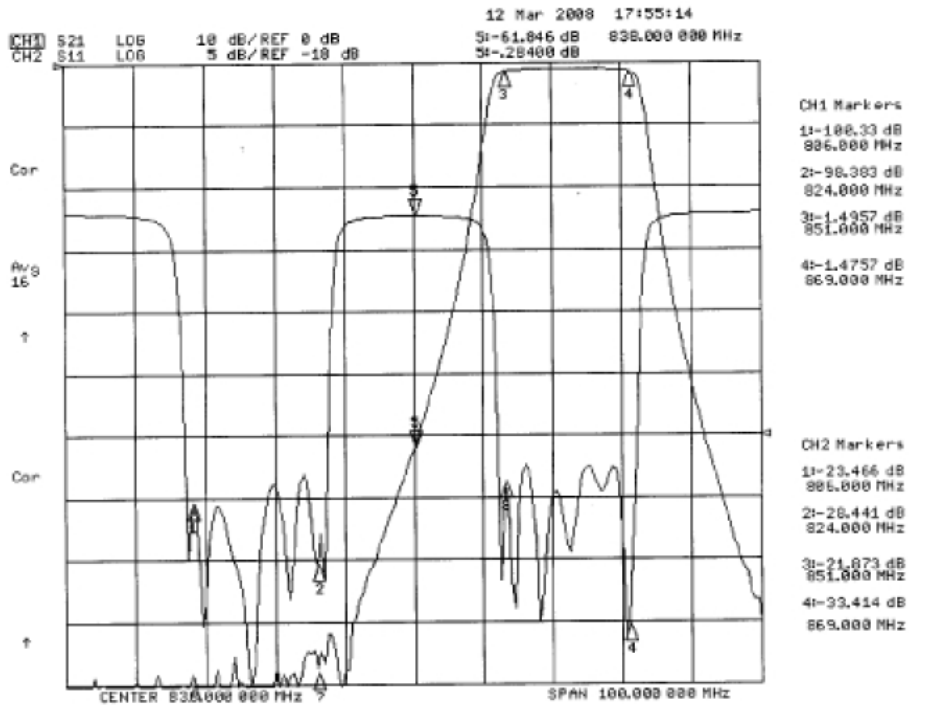


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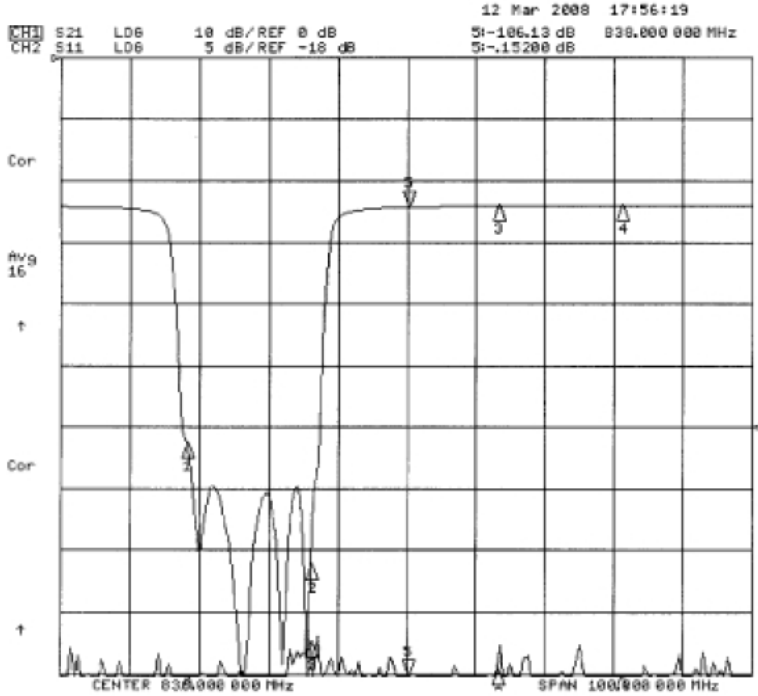


Response Plots:



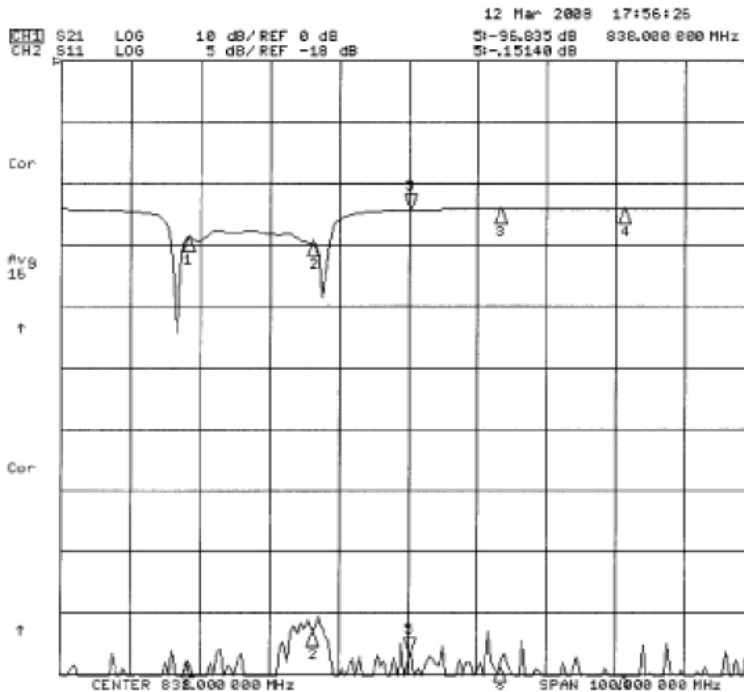


Response Plots:



- CH1 Markers
- 1:-112.83 dB
806.000 MHz
 - 2:-94.866 dB
824.000 MHz
 - 3:-99.402 dB
851.000 MHz
 - 4:-106.71 dB
869.000 MHz

- CH2 Markers
- 1:-19.290 dB
806.000 MHz
 - 2:-29.127 dB
824.000 MHz
 - 3:-061.90 dB
851.000 MHz
 - 4:-065.20 dB
869.000 MHz



- CH1 Markers
- 1:-98.196 dB
806.000 MHz
 - 2:-93.218 dB
824.000 MHz
 - 3:-98.812 dB
851.000 MHz
 - 4:-101.34 dB
869.000 MHz

- CH2 Markers
- 1:-2.2885 dB
806.000 MHz
 - 2:-2.7370 dB
824.000 MHz
 - 3:-059.80 dB
851.000 MHz
 - 4:-064.90 dB
869.000 MHz