



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

# 1710-1785 MHz / 1805-1880 MHz Cavity Duplexer

**Part Number: AD1747-1842D335-N**

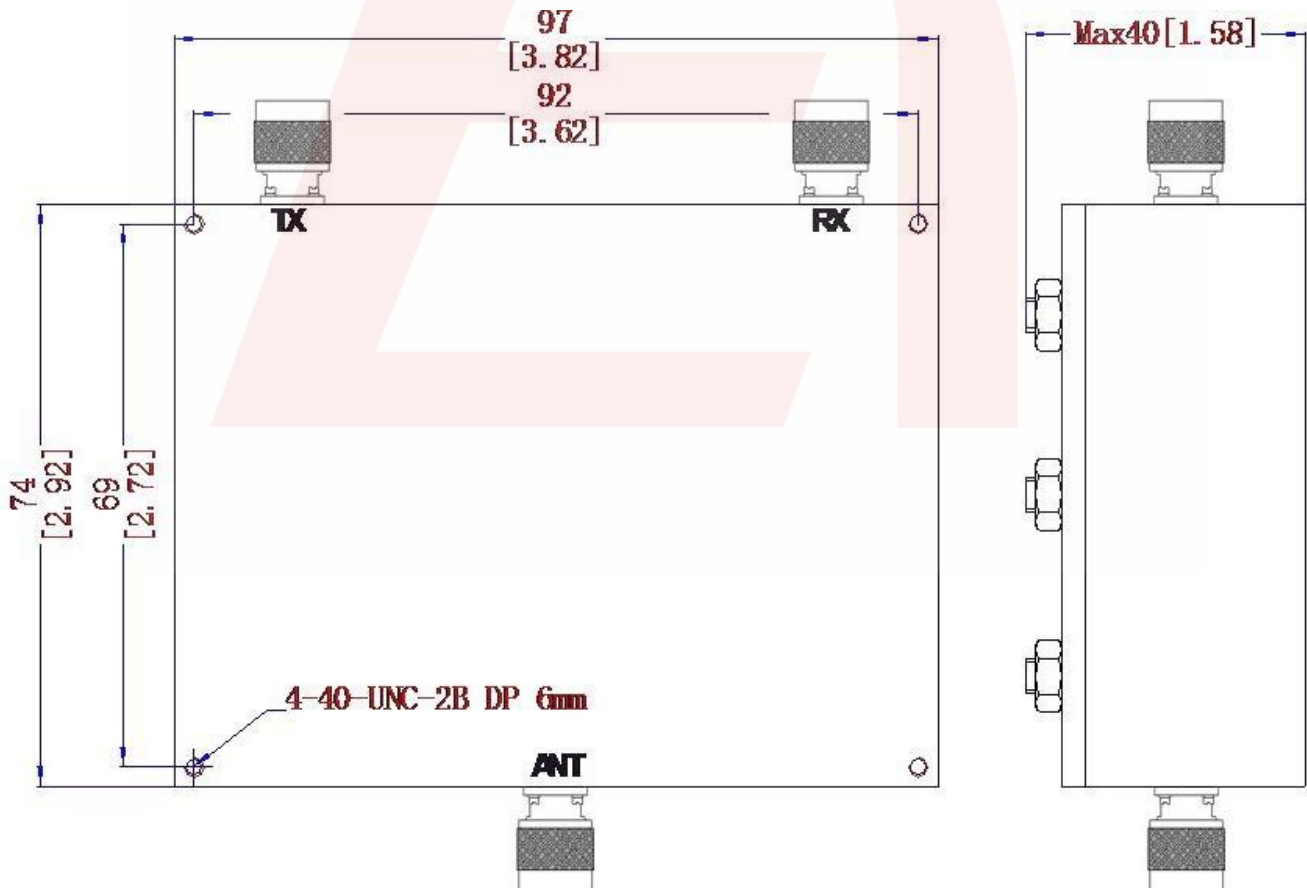


Characteristics	Band 1	Band 2
<b>Passband:</b>	1710-1785 MHz	1805-1880 MHz
<b>Bandwidth:</b>	75 MHz	75 MHz
<b>Passband Insertion Loss:</b>	≤ 1.2 dB	≤ 1.2 dB
<b>Passband Return Loss:</b>	≥ 14 dB	≥ 14 dB
<b>Rejection</b>	DC-1575MHz=>50dB	DC-1785MHz=>50dB
	1805-4000MHz=>50dB	2030-4000MHz=>50dB
<b>Passband Ripple:</b>	≤ 0.8 dB	≤ 0.8 dB
<b>Isolation:</b>	≥ 50 dB	≥ 50 dB
<b>Power Handling:</b>	25 Watts	25 Watts

<b>Mechanical</b>	
<b>Mounting Method:</b>	4-40 Threaded Mounting Holes
<b>Connector Type:</b>	N-Type (M)
<b>Dimensions:</b>	3.82 x 2.92 x 1.58 in.

<b>Environmental</b>	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20G. 5 to 200 MHz

## Outline Drawing:



DS-D335-N-08202015-Rev0

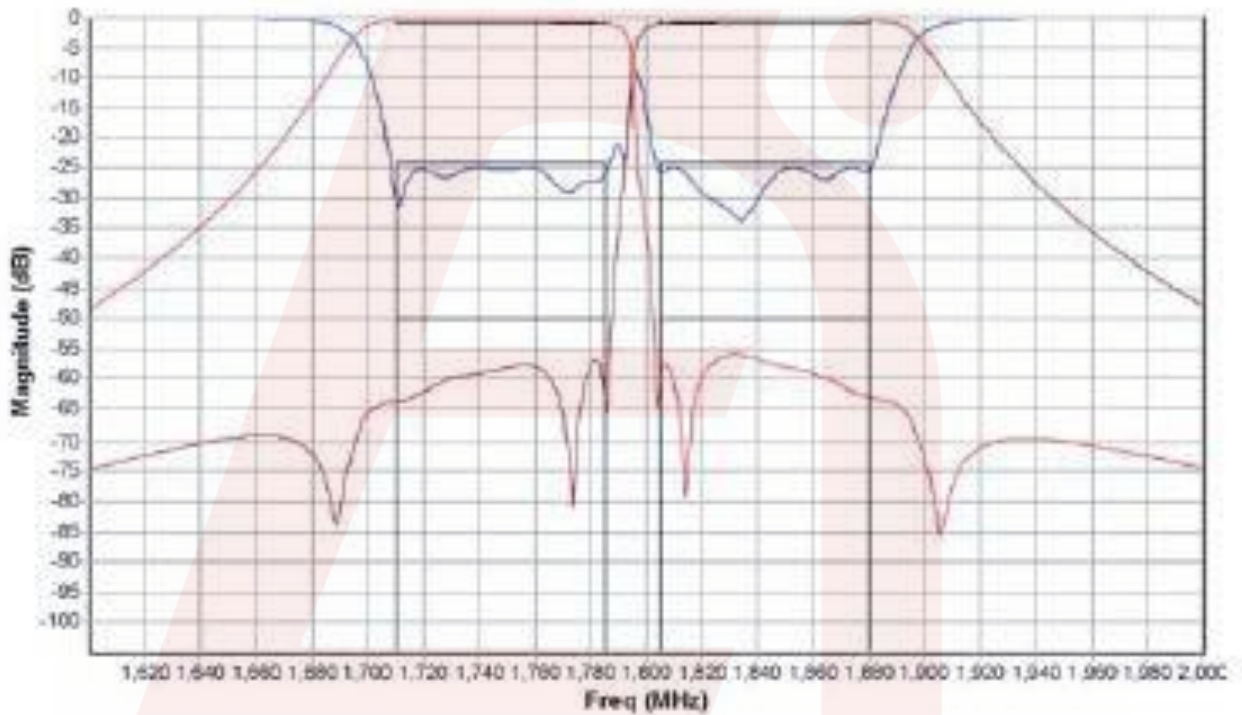


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**Response Plot:**



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