



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

# 806-849 MHz / 851-894 MHz Cavity Duplexer

**Part Number: AD827-872D361**

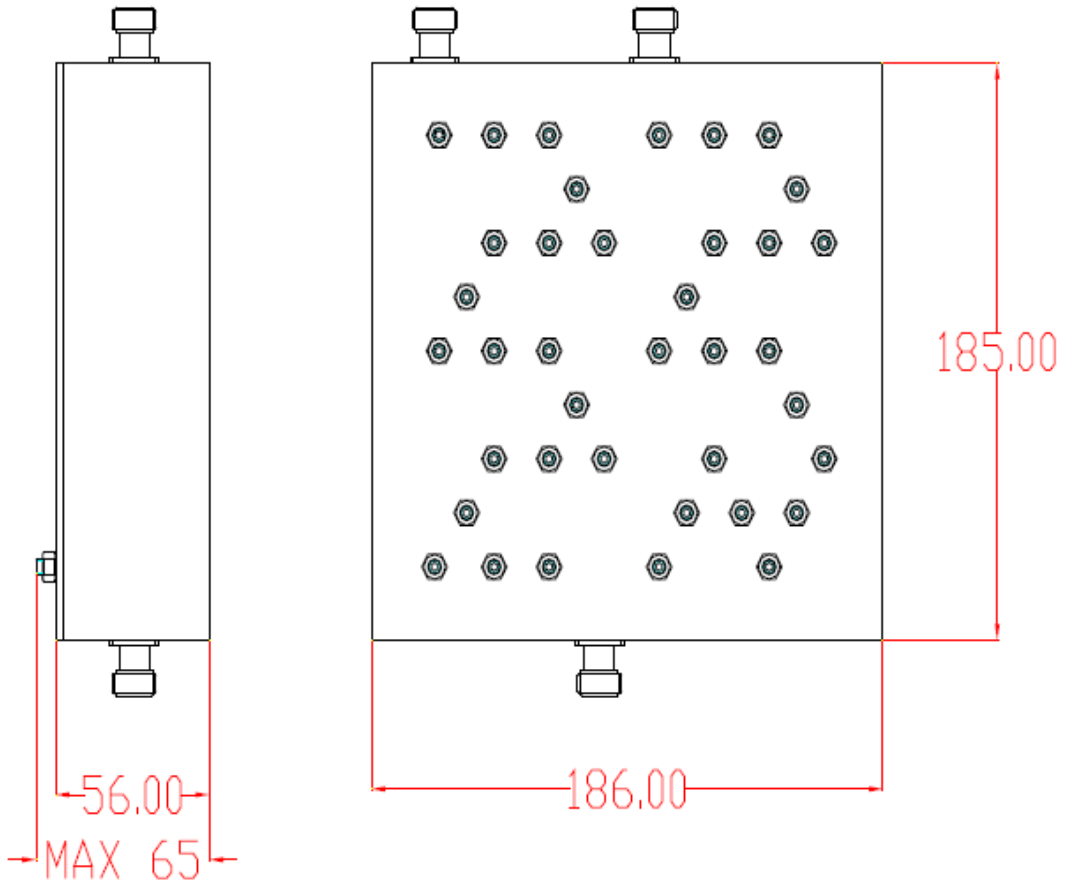


Characteristics	Band 1	Band 2
Passband:	806-849 MHz	851-894 MHz
Bandwidth:	43 MHz	43 MHz
Passband Return Loss:	> 19 dB	> 19 dB
Passband Insertion Loss:	2 dB	2 dB
Passband Ripple:	0.2 dB	0.2 dB
Input / Output Impedance:	50 Ohms	50 Ohms
Isolation:	> 45 dB	> 45 dB
Power Handling:	30 Watts	30 Watts

Mechanical	
Mounting Method:	Threaded Mounting Holes
Connector Type:	N-Type
Dimensions:	186 x 185 x 56 mm

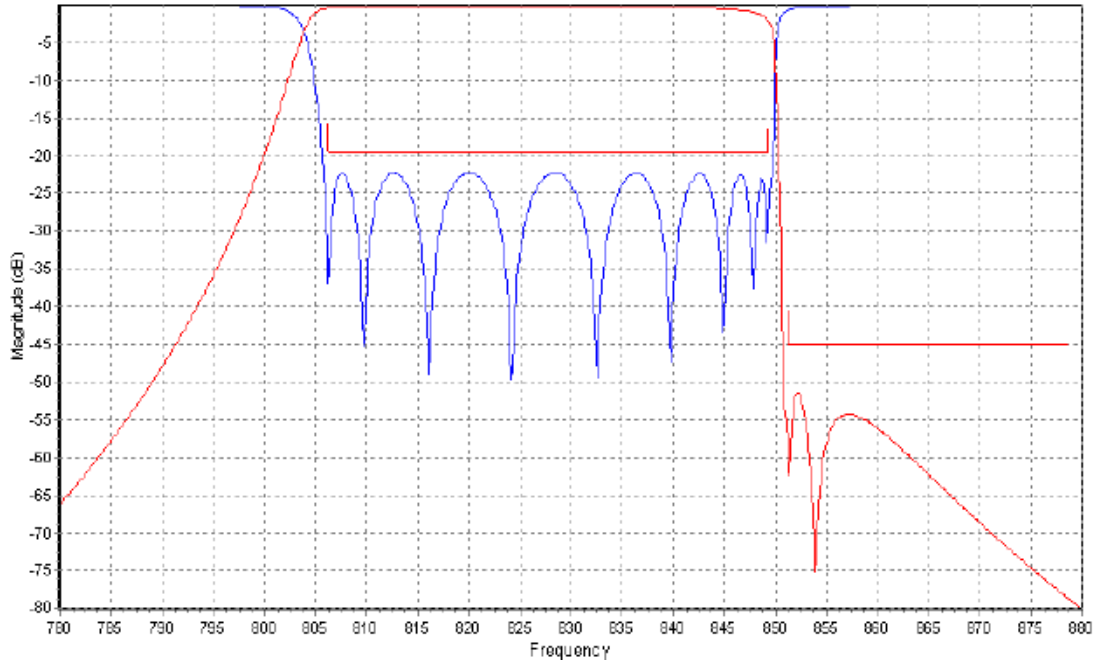
Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C

## Outline Drawing:

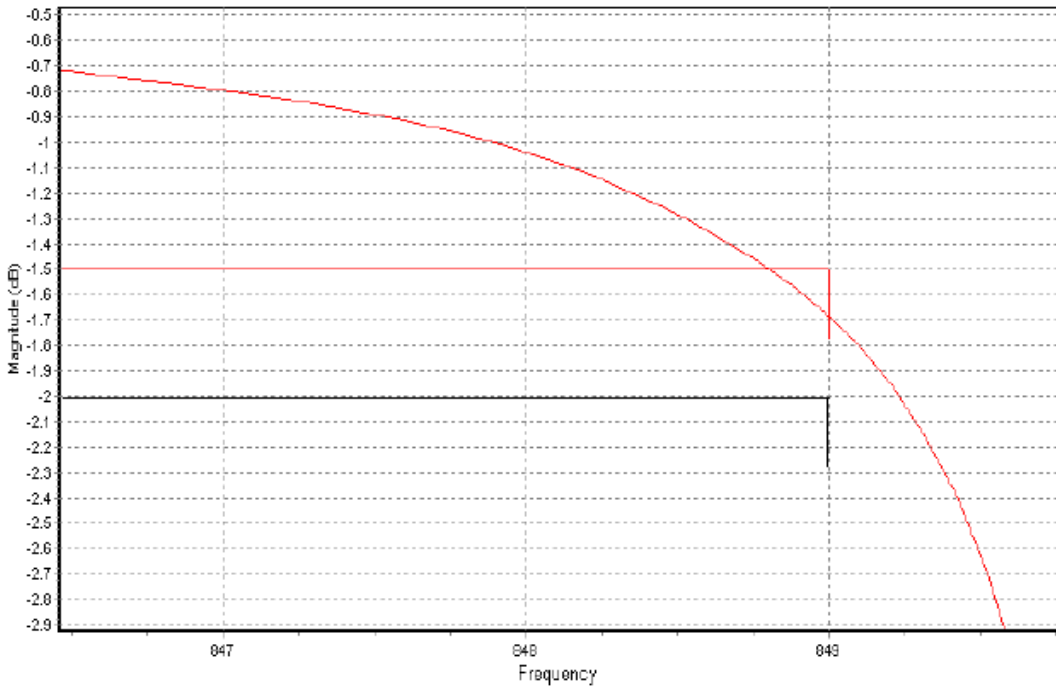




**Response Plots:**



**Figure 1 Overall performance**



**Figure 2 Insertion loss**