



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

# 1747.5 MHz / 1842.5 MHz Cavity Duplexer

**Part Number: AD1747-1842D457**



Characteristics	Band 1 (Rx)	Band 2 (Tx)
<b>Passband:</b>	1710-1785 MHz	1805-1880 MHz
<b>Bandwidth:</b>	75 MHz min	75 MHz min
<b>Passband return loss:</b>	=/>18 dB	=/>18 dB min
<b>Passband insertion loss:</b>	=/<2.0 dB	=/<2.0 dB
<b>Input/Output impedance:</b>	50 Ohms	50 Ohms
<b>Rejection:</b>	=/>90 dB@DC~1610 MHz	=/>90 dB@DC~1710 MHz
	=/>50 dB@1610~1690 MHz	=/>60 dB@1710~1785 MHz
	=/>60 dB@1805~1880 MHz	=/>50 dB@1905~1980 MHz
	=/>90 dB@1880~2500 MHz	=/>90 dB@1980~2500 MHz
<b>Power handling:</b>	200 Watts	200 Watts

Mechanical	
<b>Mounting Method:</b>	Threaded Mounting Holes
<b>Connector Type:</b>	
<b>Common:</b>	7/16 DIN Female
<b>RX-TX:</b>	N-Type Female
<b>Dimensions:</b>	7.47" x 4.10" x 1.77" in

Environmental	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C
<b>Outdoor rating:</b>	IP-66 for outdoor use

### Outline Drawing:

