



# 1747.5 MHz/1842.5 MHz Cavity Duplexer

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

**Part Number: AD1747-1842D426**



<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	1710-1785MHz	1805-1880MHz
<b>Bandwidth:</b>	75 MHz	75 MHz
<b>Passband Return Loss:</b>	≥18dB	≥18dB
<b>Passband Insertion Loss:</b>	≤2.0dB	≤2.0dB
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Rejection:</b>	≥90dB@DC~ 1610MHz ≥50dB@1610~ 1690MHz ≥60dB@1805~ 1880MHz ≥90dB@1880~ 2500MHz	≥90dB@DC~ 1710MHz ≥60dB@1710~ 1785MHz ≥50dB@1905~ 1980MHz ≥90dB@1980~ 2500MHz
<b>Isolation:</b>	≥60dB	≥60dB
<b>Power Handling:</b>	200W (CW)	200W( CW)

<u>Mechanical</u>	
<b>Connector Type:</b>	N-Type (F)
<b>Dimensions:</b>	6.91 x 3.55 x 1.42 inches

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

## Outline Drawing:

