



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

**415-420 MHz / 425-430 MHz  
Cavity Diplexer  
Part Number: AD417-422D225**



<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	415-420 MHz	425-430 MHz
<b>Bandwidth:</b>	5 MHz	5 MHz
<b>Passband Return Loss:</b>	20 dB	20 dB
<b>Passband Insertion Loss:</b>	< 1.2 dB	< 1.2 dB
<b>Passband Ripple:</b>	0.2 dB	0.2 dB
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Isolation:</b>	> 80 dB	> 80 dB
<b>Power Handling:</b>	100 Watts	100 Watts

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Mounting Holes
<b>Connector Type:</b>	N-Type (F)
<b>Dimensions:</b>	250 x 230 x 73 mm

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

**Outline Drawing:**

