



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4520 / 4840 MHz Cavity Duplexer

Part Number: AE4520-4840DB5447



<u>Characteristics</u>	<u>Band 1 (ANT-Rx)</u>	<u>Band 2 (ANT-Tx)</u>
Passband:	4400 - 4640 MHz	4740 - 4940 MHz
Bandwidth:	240 MHz	200 MHz
Return Loss:	18 dB Min	18 dB Min
Ripple:	0.25 dB Max	0.25 dB Max
Insertion Loss:	1.25 dB Max	1.25 dB Max
Input / Output Impedance:	50 Ohms	50 Ohms
Rejection:	70 dB @ 4740 – 4940 MHz	70 dB @ 4400 – 4640 MHz
Isolation:	70 dB Min	70 dB Min
Power Handling:	20W Max	
ROHS Compliant	Yes	

<u>Mechanical</u>	
Mounting Method:	4-40 Threaded Holes
Connector Type:	SMA (F)
Dimensions:	5.67 x 1.38 x 1.10 In

<u>Environmental</u>	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-55 to +85 deg.C
Shock:	20G for 11msec half sine wave, 3 axis both directions
Vibration:	20G. 5 to 200 MHz

Outline Drawing:

