



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

**1526-1560 MHz / 1625-1662 MHz
Cavity Duplexer**

Part Number: AE1543-1643DB5161



| <u>Characteristics</u> | <u>Band 1 (RX)</u> | <u>Band 2 (TX)</u> |
|----------------------------------|--------------------|--------------------|
| Passband: | 1526-1560 MHz | 1625-1662 MHz |
| Bandwidth: | 34 MHz | 37 MHz |
| Passband Return Loss: | > 15 dB | > 15 dB |
| Passband Insertion Loss: | < 1 dB | < 1 dB |
| Passband Ripple: | < 0.1 dB | < 0.1 dB |
| Input / Output Impedance: | 50 Ohms | 50 Ohms |
| Isolation: | > 60 dB | > 60 dB |
| Power Handling: | 30 Watts | 30 Watts |

| <u>Mechanical</u> | |
|-------------------------|------------------------------|
| Mounting Method: | 4-40 Threaded Mounting Holes |
| Connector Type: | SMA (F) Receptacle |
| Dimensions: | 4.125 x 1.875 x 1.5 Inches |

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

Outline Drawing:

