



# 1445 / 1493 MHz Cavity Duplexer

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

**Part Number: AE1445-1493DB5449**



## Electrical specifications

**Frequency ANT-RX:** 1427.9-1462.9 MHz  
**Frequency ANT-TX:** 1475.9-1510.9 MHz  
**Bandwidth:** 35 MHz Min  
**Return Loss:** 18 dB Min  
**Rejection RX:** 70 dB @ 1475.9-1510.9 MHz  
**Rejection TX:** 70 dB @ 1427.9-1462.9 MHz  
**Power Handling:** 50W  
**Impedance:** 50 Ω

## Mechanical

**Connector Type:** SMA Female  
**Mounting:** 6-32 Threaded Hole  
**Dimensions:** 3.82 x 3.82 x 1.46 in (including Screws)

## Environmental

**Operating Temperature:** -40 to +70° C  
**Storage Temperature:** -55 to +85° C  
**Shock:** 20G for 11ms half sine wave, 3 axis both directions  
**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:

