



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

# 3300 MHz Cavity Band Pass Filter

**Part Number: AE3300B1370**



## Electrical Specifications

**Center Frequency:** 3100-3500 MHz  
**3dB Bandwidth:** 430 MHz Min  
**Pass Band:** 3100-3500 MHz  
**Insertion Loss:** 1.5 dB Max  
**VSWR:** 1.50:1 Max  
**Phase Linearity:** (Pass band = 3.1 ~ 3.5 GHz)  
 $\pm 1.5$  Deg. MAX. (Deviation within any 10 MHz bandwidth)  
**Amplitude Ripple:** (pass band = 3.1 ~ 3.5 GHz) 0.13 dB MAX. (Deviation within any 10 MHz bandwidth).  
**Attenuation:** >80 dB @ 1.5 GHz  
                   >60 dB @ 2.94 GHz  
                   >35 dB @ 3.6 GHz  
                   >60 dB @ 3.7-6.9 GHz  
                   >30 dB @ 6.9-8.0 GHz  
**In/Out Impedance:** 50  $\Omega$   
**Power Handling:** 1 W CW

## Mechanical

**Connector Type:** SMA (M/F)  
**Dimensions:** 123.44 x 37.34 x 13.2 mm

## Environmental

**Operating Temperature:** -40 to +85° C  
**Storage Temperature:** -50 to +100° C  
**Thermal Shock:** MIL-STD-202, Method 107, c  
**Vibration:** MIL-STD-202, Method 204, c  
**Humidity:** MIL-STD-202, Method 03,  
                   (90-95% RH, 40°C, 96 HRS)  
**Application:** Indoor

**This Product is RoHS Compliant.**

## Outline Drawing:

