



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

# 3730-3770 MHz Cavity Bandpass Filter

**Part Number: AB3750B1063**



## Electrical specifications

- Passband:** 3730-3770MHz
- Passband Insertion Loss:** ≤4.0dB
- Passband Ripple:** ≤0.5dB
- Passband Return Loss:** ≥14dB
- Passband Group Delay ripple:** ≤20 nsec
- Rejection 1:** ≥15dB@3710MHz,3790MHz
- Rejection 2:** ≥40dB@3690MHz,3810MHz
- Rejection 3:** ≥65dB@3670MHz,3830MHz
- Rejection 4:** ≥70dB@3650MHz,3850MHz
- Rejection 5:** ≥75dB@3630MHz,3870MHz
- Rejection 6:** ≥60dB@1000-3000MHz,4000-12000MHz
- Rejection 7:** ≥30dB@12000-15000MHz
- Input / Output Impedance:** 50 Ohms

## Mechanical

- Connector Type:** SMA (F)
- Dimensions:** 5.04 x 2.44 x .47 inches

## Environmental

- Operating Temperature:** +15 to +30 deg. C
- Storage temperature:** -65 to +95 deg.C
- Shock:** 20 G's, ½ sine, 11ms
- Vibration:** 10 G's, 10-2000Hz
- Relative Humidity:** 0-95%

## Outline Drawing:

