



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

# 1018-1042 MHz / 1078-1102 MHz Cavity Diplexer

**Part Number: AE1030-1090D490-S**



## Electrical Specifications

**Rx Band:** 1018-1042 MHz  
**Tx Band:** 1078-1102 MHz  
**Insertion Loss:** 0.7 dB Max  
**Return Loss:** 18 dB Min  
**Isolation:** ≥60 dB @ 1018-1042 MHz  
                   ≥60 dB @ 1078-1102 MHz  
**Power Handling:** 50 W Avg., 4 kW Max  
                           (Max Pulse Width = 50 uS)

## Mechanical

**Connector Type:** SMA(F)  
**Dimensions:** 5.83 x 4.03 x 1.97 Inches

## Environmental

**Operating Temperature:** -40 to +80° C  
**Storage Temperature:** -55 to +95° C  
**Shock:** 20 G. 11 ms  
**Vibration:** 20 G. 5 to 200 Hz

## Outline Drawing:

