



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

## 773~803 MHz Cavity Notch Filter

**Part Number: AE788NS2165**



### Electrical Specifications

**Reject Frequency Range:** 773~803 MHz  
**Rejection:** 30 dB Min  
**Lower Passband:** 9kHz~743MHz  
**Upper Passband:** 818~1400 MHz  
**Insertion Loss:** 1.0 dB typical @ passband  
**Flatness:** 0.8 dB Max  
**Return Loss:** 14.0 dB Min within passband  
**In/Out Impedance:** 50  $\Omega$   
**Maximum Average Power:** 40 dBm (within reject band. Applicable for both ports but one at a time).  
**Maximum Peak Power:**  
Peak to average @ 10%: 4 dB  
Peak to average @ 1%: 6 dB  
Peak to average @ 0.1%: 7 dB  
Peak to average @ 0.01%: 8 dB  
Peak to average @ 0.001%: 8.5 dB  
Crest factor: 10 dB (duration of the maximum peaks is about 100 us)  
**Passive Inter-modulation (Non mandatory):**  
<-110dBm Min (Requirement is valid with two 43dbm CW carriers delivered. PIM shall be measured in forward and reverse direction).

### Mechanical

**Connector Type:** N-Type (F)  
**Dimensions:** 10.94 x 2.67 x 2.6 in.  
278.0 x 68.0 x 66.0 mm

### Environmental

**Operating Temperature:** -18 to +40° C  
**Storage Temperature:** -30 to +75° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz  
**Finish:** Black color epoxy coating

**This product is RoHS Compliant.**



### Outline Drawing:

