



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

**GSM Band / 925-960 MHz LC Band Notch /  
Band Stop Filter for Outdoor**  
**Part Number: AE942N2242-O**



**Electrical Specifications**

**Notch Center Frequency:** 942 MHz  
**Notch Frequency range:** 925.2-960 MHz  
**Notch Rejection:**  $\geq 40$ dB  
**Passband low side of Notch:** 80-850 MHz  
**Passband High side of Notch:** 1040-3800 MHz  
**Insertion loss in Passband:**  $\leq 2$ dB  
**Passband Edge Insertion loss1:**  $\leq 3$ dB @875 MHz  
**Passband Edge Insertion loss2:**  $\leq 3$ dB @1000 MHz  
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 2$  Watts

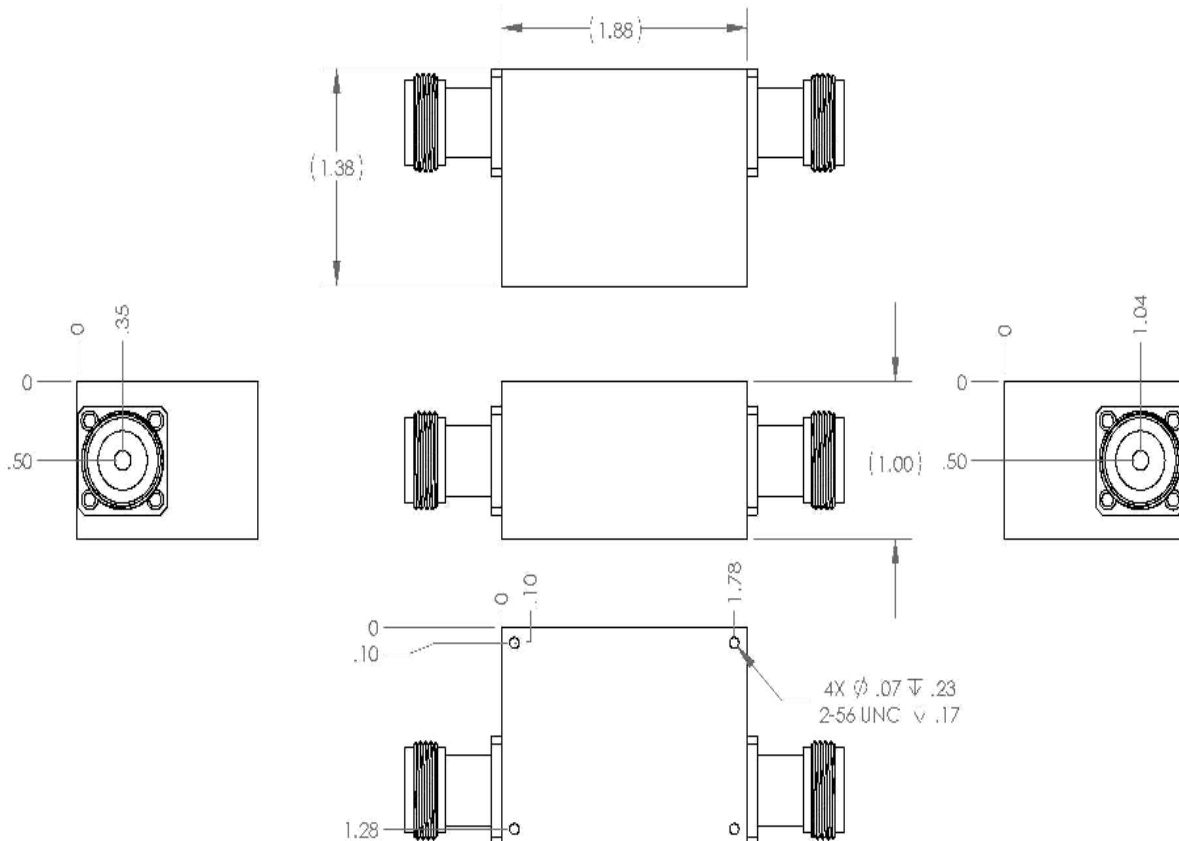
**Mechanical**

**Connector Type:** N-type(F)  
**Dimensions:** 1.88 X 1.38 X 1.00 in.

**Environmental**

**Operating Temperature:**  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
**Storage Temperature:**  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz  
**Weatherproof Rating:** IP67

**Outline Drawing:**



Tolerance:  $\pm 0.01$  inches [ $\pm 0.3$ mm]

Angles:  $\pm 1$  Deg.

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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