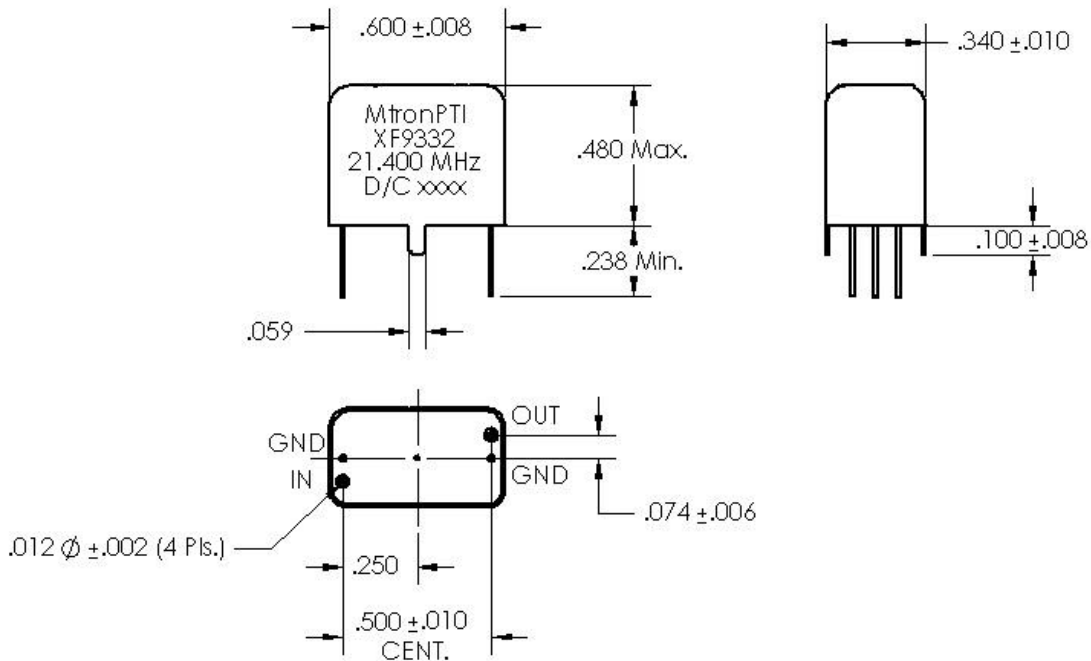


I. General & Electrical Requirements:

1. Center Frequency (F_{ON}): 21.4MHz
2. 3dB Passband: $\geq F_{ON} \pm 3.75\text{kHz}$
3. Insertion Loss (@ peak of transmission within the 3dB passband): $\leq 5.0\text{dB}$
4. Passband Ripple (peak-valley): $\leq 2.0\text{dB}$
5. Rejection (Minimum, Relative to Insertion Loss)
 - 70dB: $F_{ON} \pm 7.5\text{kHz}$ maximum
 - 90dB: $F_{ON} \pm 11.0\text{kHz}$ maximum
6. Input Signal Level: $\leq 0\text{dBm}$
7. Terminating Impedance: $910\Omega // 2.0\text{pF}$ nominal

II. Environmental & Physical Requirements:

1. Temperature Range
 - Operating: -20°C to $+70^{\circ}\text{C}$
 - Storage: -55°C to $+85^{\circ}\text{C}$
2. Solderability: Per EIAJ-STD-002
3. Shock (survival): Per RTCA DO-160F Section 7, Category B
4. Vibration: Per RTCA DO-160F Section 8, Category S, Test Curve M and B2
5. Humidity: per RTCA DO-160F Section 6, Category B
6. Thermal Shock: -40°C for 30-minutes then $+85^{\circ}\text{C}$ for 30-minutes for 5-days
7. Package: See Drawing



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**XF9332 21.4MHz 12-Pole
Monolithic Crystal Filter**

**Revision A
12-21-11**