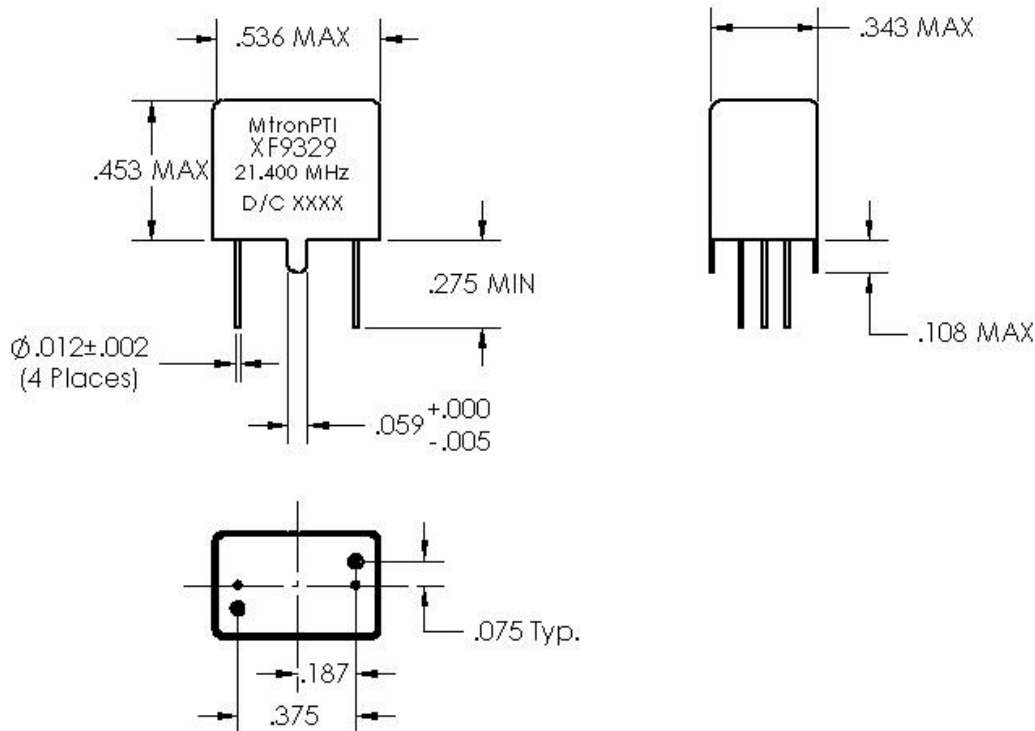


I. General & Electrical Requirements:

1. Center Frequency (F_{ON}): 21.4MHz
2. 6dB Passband: $\geq F_{ON} \pm 8.5\text{kHz}$
3. Insertion Loss (@ peak of transmission within the 6dB passband): $\leq 4.0\text{dB}$
4. Passband Ripple (peak-valley): $\leq 2.0\text{dB}$
5. Rejection (Minimum, Relative to Insertion Loss)
60dB: $F_{ON} \pm 25.0\text{kHz}$ maximum
6. Ultimate Attenuation: 90dB minimum
7. Input Signal Level: $\leq 0\text{dBm}$
8. Terminating Impedance: $1600\Omega // +0.0\text{pF} \pm 3.0\text{pF}$

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



The information contained herein is proprietary to MtronPTI and is submitted in confidence. This information may not be copied or divulged without the express written permission of MtronPTI

MtronPTI
2525 Shader Road
Orlando, FL 32804
407-298-2000

**XF9329 21.4MHz 6-Pole
Monolithic Crystal Filter**

**Revision A
12-21-11**