2525 Shader Road Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: www.mtronpti.com AMEX: LGL

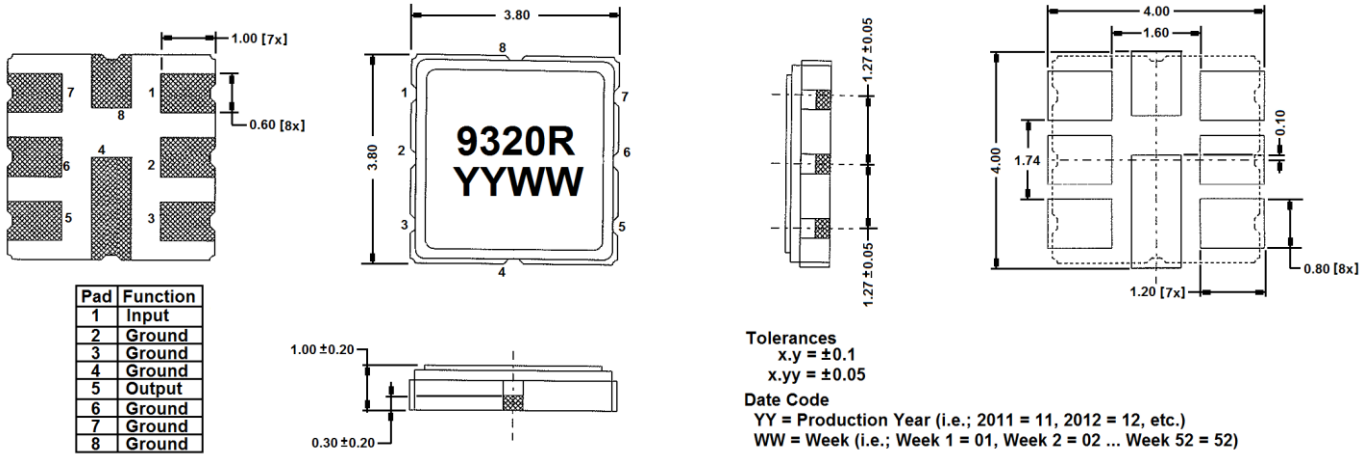
Specification for a 3rd Overtone 3-Pole Monolithic SMD Crystal Filter
MtronPTI P/N: XF9320R

I. General & Electrical Requirements:

1. Center Frequency (F_{ON}): 156.525MHz
2. 3dB Passband: ≥ F_{ON} ±10.0kHz
3. Insertion Loss (@ peak of transmission within the 3dB passband): ≤ 5.0dB
4. Passband Ripple (peak-valley): ≤ 1.0dB
5. Rejection (Minimum, Relative to Insertion Loss): 20dB: ≤ F_O ±50.0kHz
6. Guaranteed Attenuation: 70dB minimum, F_O -900.0kHz
7. Input Signal Level: ≤ 0dBm
8. Z_S/Z_L: 800Ω // -0.8*pF* nominal

II. Environmental & Physical Requirements:

1. Temperature Range
   Operating: -30°C to +85°C
   Storage: -40°C to +85°C
2. Solderability: Per EIAJ-STD-002
3. Package: SMD (ref drawing Figure 1)
4. Full RoHS Compliance



Pad	Function
1	Input
2	Ground
3	Ground
4	Ground
5	Output
6	Ground
7	Ground
8	Ground

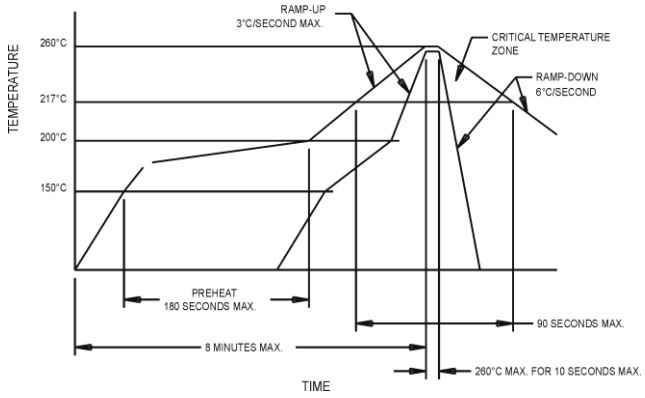
Figure 1 – Filter Package Outline Drawing & Recommended PAD Layout

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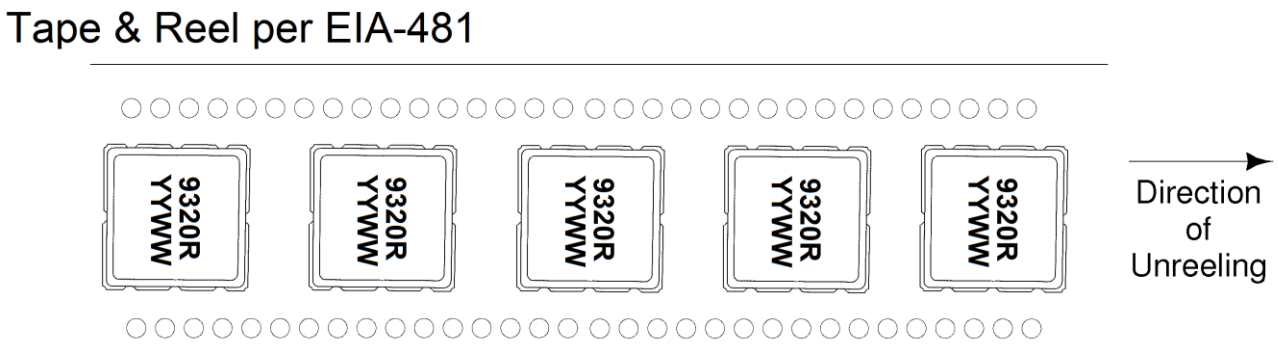
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III. Recommended Reflow Profile:



IV. Reel Loading Orientation:



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