



Model XO3090-003-R

Temperature Compensated Crystal Oscillator Full RoHS Compliance

Alstom P/N: 13548 Electrical Specifications

Nominal Frequency (F₀): 10.0MHz

Frequency Stability

Over Temperature (with offset applied): < ± 3.0 ppm vs Supply Change ($\pm 5\%$ change in V_s): < ± 0.1 ppm vs Load Change ($\pm 10\%$ change in Load): < ± 0.1 ppm Yearly Aging: < ± 1.0 ppm

Frequency Adjust

Method: External Voltage, 0V to +5V Range: sufficient for 10-years aging

Slope: Positive

Output (Sinewave)

Load: 50Ω , $\pm 5\%$ Level: $0dBm \pm 3dB$

SSB Phase Noise (typical)

-75dBc/Hz @ 10Hz offset

- -105dBc/Hz @ 100Hz offset
- -120dBc/Hz @ 1kHz offset
- -145dBc/Hz @ 10kHz offset

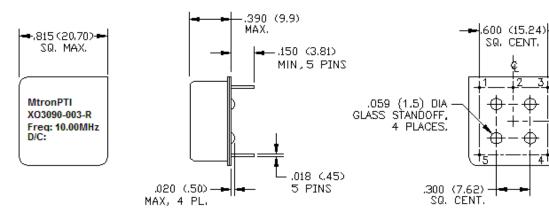
Start Up Time: < 20msec

Power Supply

Voltage (V_S):+5.0 V_{DC} ±5% Current Consumption (@25°C): 25mA, maximum

Temperature Range

Operating, -40°C to +85°C Storage, -55°C to +85°C



PIN	FUNCTION
1	SUPPLY VOLTAGE
2	RF OUTPUT
3	GROUND/CASE
4	VCXO INPUT
5	N/C

<u>DIMENSIONS IN INCHES (MM)</u> PIN NO'S, SHOWN FOR REF ONLY.

Revised: October 30, 2012 Rev. D Page 1 of 1

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