Model XO3090-003-R
Temperature Compensated Crystal Oscillator
Full RoHS Compliance

Alstom P/N: 13548

Electrical Specifications

Nominal Frequency (F_O): 10.0MHz

Frequency Stability
Over Temperature (with offset applied): <±3.0ppm
vs Supply Change (±5% change in V_S): <±0.1ppm
vs Load Change (±10% change in Load): <±0.1ppm
Yearly Aging: ≤ ±1.0ppm

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

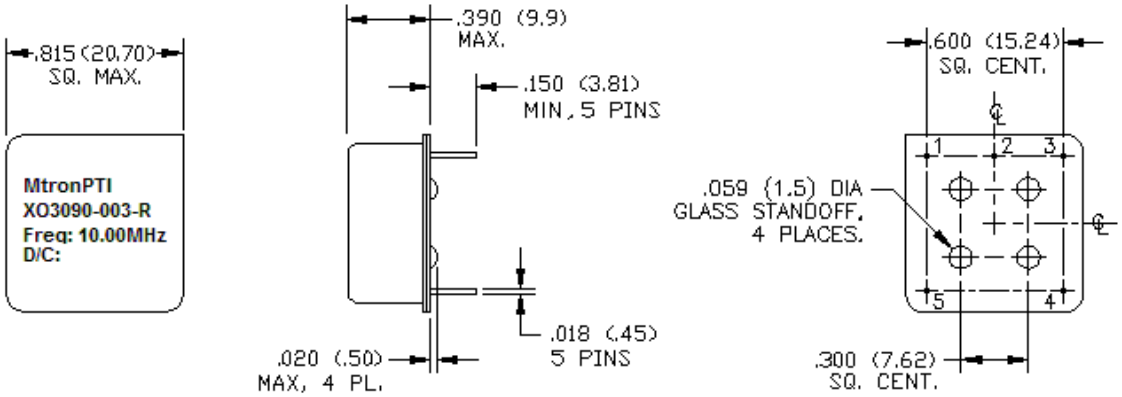
Output (Sinewave)
Load: 50Ω, ±5%
Level: 0dBm ±3dB

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

DIMENSIONS IN INCHES (MM)
PIN NO'S. SHOWN FOR REF ONLY.

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