XO3091 Series
5.0 Volt, HCMOS, TCXO

Electrical Specifications

Nominal Frequency (F_o): 59.535MHz

Frequency Stability
- Over Temperature, <±0.5ppm (w/offset applied)
- 1st Year Aging, ±1ppm, maximum
- 30-years Aging, ±5ppm, maximum

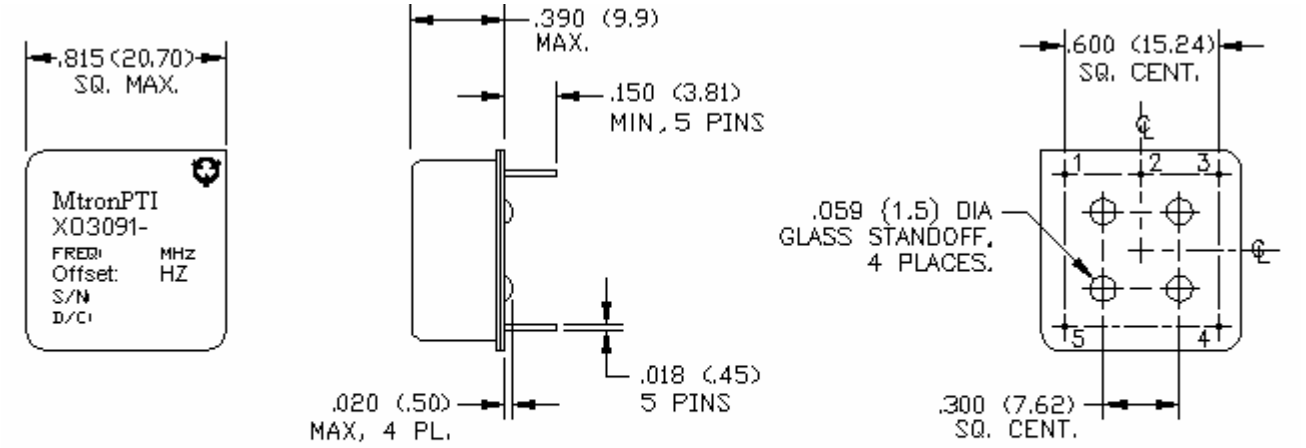
Frequency Adjust
- Method, External Voltage, 0V to +5_{VDC}
- Range, sufficient for 30-years aging correction plus an additional ±1.5ppm
- Modulation Bandwidth, 500Hz, minimum
- Slope, positive

Power Supply
- Voltage (V_{CC}), +$5.0V_{DC}$ ±5%
- Current Consumption, 25*mA*, maximum

Output (ACMOS)
- Load, 15*pF*, nominal
- Level, High, ³90% of V_{CC}; Low, ≤10% of V_{CC}
- Duty Cycle, 40% to 60%
- Rise (10% to 90%)/Fall (90% to 10%) times, ≤3*nsec*

SSB Phase Noise (maximum)
- -75dBc/Hz @ 10Hz offset
- -105dBc/Hz @ 100Hz offset
- -130dBc/Hz @ 1kHz offset
- -145dBc/Hz @ 10kHz offset

Temperature Range
- Operating, 0°C to +70°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.

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.