



T120 Series TCXO

10 to 100 MHz
(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Low Noise TCXO
Tight Stability

SPECIFICATIONS

Frequency 10.0 to 100.0MHz
Output Squarewave, CMOS
Load 15pF ±10%
Symmetry 50% ± 10%
Rise/Fall Time ≤10ns
Temp Stability

Temp Range	Tolerance	Option
-40 to +85°C	±5x10 ⁻⁷	T57
-40 to +85°C	±1x10 ⁻⁶	T16

Ramp rate of up to 5°/minute; shall meet spec within 1 minute of turn-on.

Freq vs. Supply Aging ±1x10⁻⁷ for a 5% change
Supply Voltage +3.3V or +5.0 VDC ± 5%
Input Current 30mA max

Phase Noise (typical)	Offset	dBc/Hz (10M)	dBc/Hz (100M)
	10 Hz	-95	-70
100 Hz	-125	-100	
1 kHz	-145	-125	
10 kHz	-155	-145	
100kHz	-160	-160	

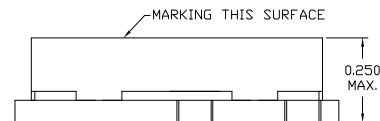
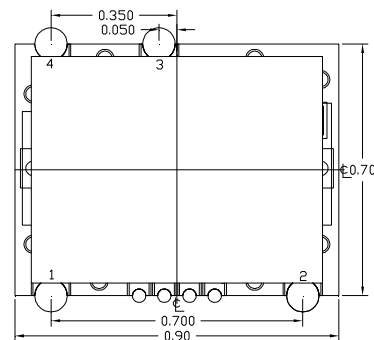
Frequency Adjust ±6.0 ppm typical, positive slope, 0V to Vsupply EFC

Environmental

Shock - per MIL-STD-202, Meth 213, Cond K
 Vibration - per MIL-STD-202, Meth 202, Meth 201A
 Storage Temp - -55 to +85°C

Ordering Example:

T120-T57-3.3-70.0MHz
(Model-Stability-InpV-Freq)



Pad Connections:

- Pad 1 - Output
- Pad 2 - EFC
- Pad 3 - Gnd
- Pad 4 - Supply V

