



T120 Series TCXO

10 to 100 MHz
(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

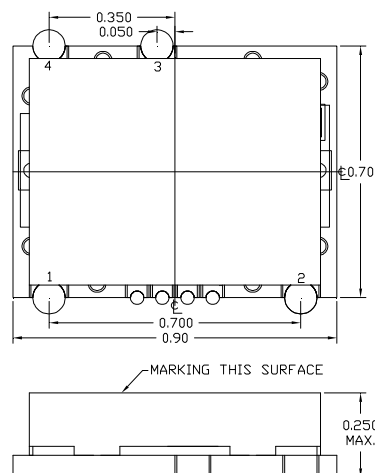
SPECIFICATIONS

Low Noise TCXO
Tight Stability

Frequency	10.0 to 100.0MHz		
Output	Squarewave, CMOS		
Load	15pF $\pm 10\%$		
Symmetry	50% $\pm 10\%$		
Rise/Fall Time	$\leq 10\text{ns}$		
Temp Stability	Temp Range	Tolerance	Option
	-40 to +85°C	$\pm 5 \times 10^{-7}$	T57
	-40 to +85°C	$\pm 1 \times 10^{-6}$	T16
	Ramp rate of up to 5°/minute; shall meet spec within 1 minute of turn-on.		
Freq vs. Supply	$\pm 1 \times 10^{-7}$ for a 5% change		
Aging	<1.0ppM/year		
Supply Voltage	+3.3V or +5.0 VDC $\pm 5\%$		
Input Current	30mA max		
Phase Noise	Offset	dBc/Hz (10M)	dBc/Hz (100M)
(typical)	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		

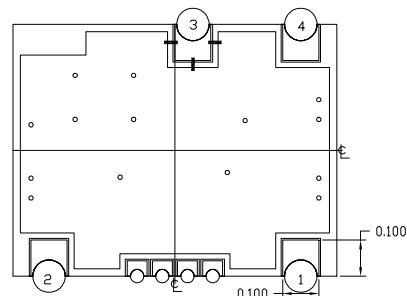
Ordering Example:

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



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