



GREENRAY INDUSTRIES, INC.

T72 Series TCXO

10 MHz to 50 MHz
(Rev. A)

PRECISION QUARTZ TECHNOLOGY

SPECIFICATIONS



Very Rugged TCXO
Tight Temp Stability

Frequency	10.0 MHz to 50.0 MHz		
Output	Clipped Sinewave		
Output Level	+0.8V p-p typ into 10pF/100k ohm load;		
Temp Stability	Temp Range	Tolerance	Option
(other stabilities available)	-10°C to +60°C	±0.1 ppM	G17
	-20°C to +70°C	±0.1 ppM	N17
	-40°C to +85°C	±0.2 ppM	T27
	-40°C to +85°C	±0.3 ppM	T37
	-55°C to +95°C	±1.0 ppM	V16
Aging	<1 ppM/yr (10 MHz typ)		
Freq Adjust	±7 ppM typ via 0 to V _{cc} control V, positive slope		
G-Sensitivity	Standard (SD) $\leq 2.5 \times 10^{-9}$ /g typ; Low G-sensitivity option (LG) $\leq 7 \times 10^{-10}$ /g		
Supply Voltage	+3.3 VDC ± 5% or +5.0 VDC		
Supply Current	< 3mA		
Environmentals			

Vibration – per MIL-STD-202G, Meth 214, Cond I-F

Shock – per MIL-STD-202G, Meth 213, Cond F

(Shock level available up to 50000g!)

Ordering Information:

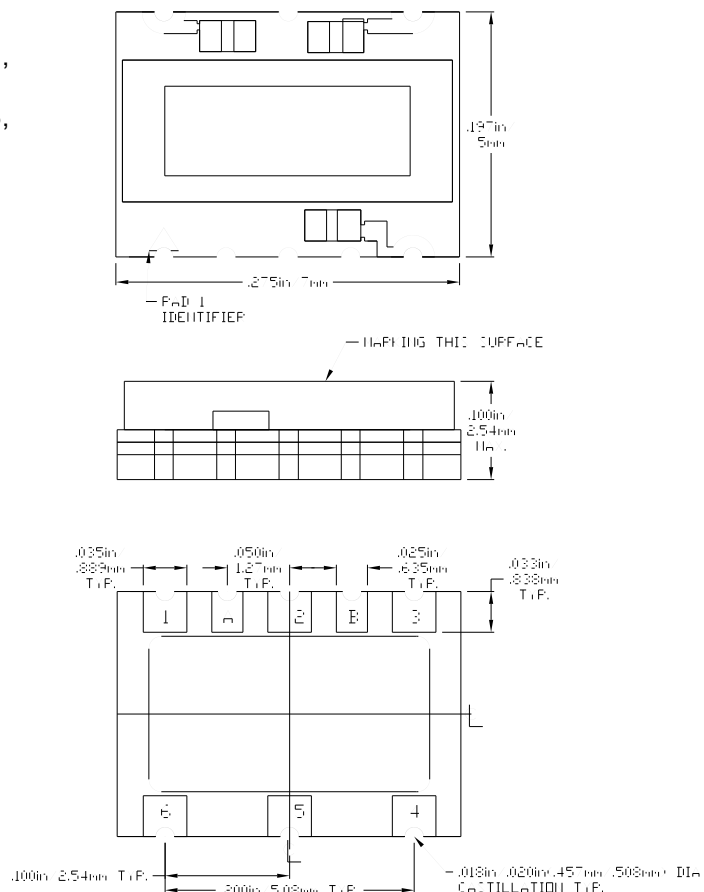
Model	Input V	Output
T72	+3.3V	CLIPPED SINE
T73	+5.0V	CLIPPED SINE

Ordering Example:

T72-T27-20.0MHz
(Model-Stability-Freq)

Pad Connections

- 1 - EFC
- 2 - Internal Use Only
- 3 - 0 V & Case Gnd
- 4 - Output
- 5 - Tri-State (enable Hi or float)
- 6 - VSupply
- A - Internal Use Only
- B - Internal Use Only



To inquire about available custom parameters, please contact us at sales@greenrayindustries.com.

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