



T90 Series TCXO

10MHz -100MHz
(Rev. G)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

SPECIFICATIONS

Very Rugged TCXO
Tight Temp Stability

Frequency	10.0 MHz to 100.0 MHz		
Output	HCMOS - 10 to 50 MHz, SINE - 20 to 100MHz		
Symmetry	50% ± 10% (HCMOS)		
Output Level	SINE - +0.8V p-p typ into 10pF/100k ohm load; T90 - +0.2V max to +3.9V min; T91 - +0.2V max to +2.2V min		
Temp Stability (other stabilities available)	Temp Range	Tolerance	Option
	-20°C to +70°C	±0.3 ppM	N37
	-20°C to +70°C	±0.5 ppM	N57
	-40°C to +85°C	±0.5 ppM	T57
	-40°C to +85°C	±1.0 ppM	T16
	-55°C to +95°C	±2.0 ppM	V26
Aging	<1 ppM/yr (10 MHz typ)		
Freq Adjust	±5 ppM typ via 0 to +5V or 0 to +3.3V control V, positive slope		
Reference V	+2.4V for a 3.3V supply; +4.0V for a +5V supply		
Supply Voltage	+5.0 VDC ± 5% or +3.3 VDC		
Supply Current	< 20mA for HCMOS; < 6 mA for SINE		
Environmentalals			

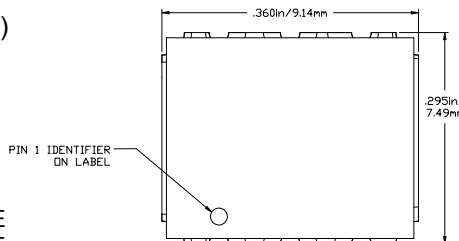
Vibration – per MIL-STD-202F, Meth 204, Cond A

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

(Shock levels available up to 100000g!)

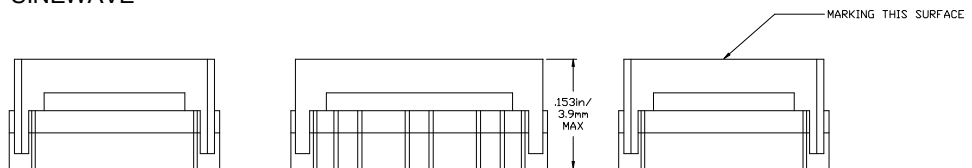
Ordering Information:

Model	Input Voltage	Output
T90	+5.0V	HCMOS
T91	+3.3V	HCMOS
T94	+5.0V	SINEWAVE
T95	+3.3V	SINEWAVE



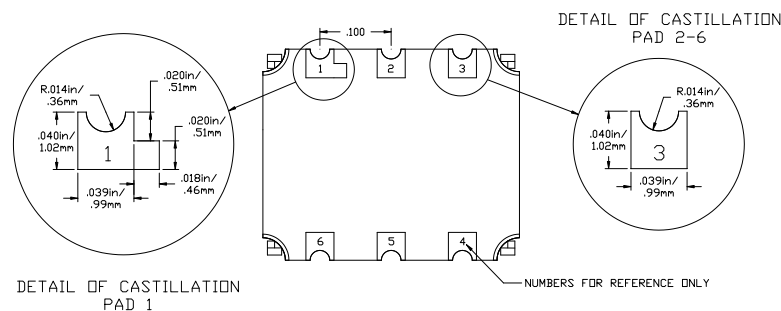
Ordering Example:

T90-N37-20.0MHz
(model-stability-freq)



Pad Connections

- 1 - EFC
- 2 - VRef
- 3 - 0 V & Case Gnd
- 4 - Output
- 5 - N/C
- 6 - VSupply



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

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