



# T75 Series TCXO

10 MHz to 50 MHz  
(Rev. H)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Very Rugged TCXO  
Tight Temp Stability

## SPECIFICATIONS

<b>Frequency</b>	10.0 MHz to 50.0 MHz		
<b>Output</b>	HCMOS or Clipped Sinewave		
<b>Symmetry</b>	50% ± 10% (HCMOS)		
<b>Output Level</b>	SINE - +0.8V p-p typ into 10pF/100k ohm load; HCMOS – T75 - +0.2V max to +2.8V min; T76 - +0.2V max to +4.2V min (15pF load)		
<b>Temp Stability</b> (other stabilities available)	<b>Temp Range</b>	<b>Tolerance</b>	<b>Option</b>
	-10°C to +60°C	±0.3 ppM	G37
	-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
<b>Aging</b>	<1 ppM/yr (10 MHz typ)		
<b>Freq Adjust</b>	±7 ppM typ via 0 to V <sub>cc</sub> control V, positive slope		
<b>Supply Voltage</b>	+3.3 VDC ± 5% or +5.0 VDC		
<b>Supply Current</b>	< 6mA for HCMOS; < 3mA for SINE		
<b>Environmentals</b>			

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

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

(Shock level available up to 100000g!)

### Ordering Information:

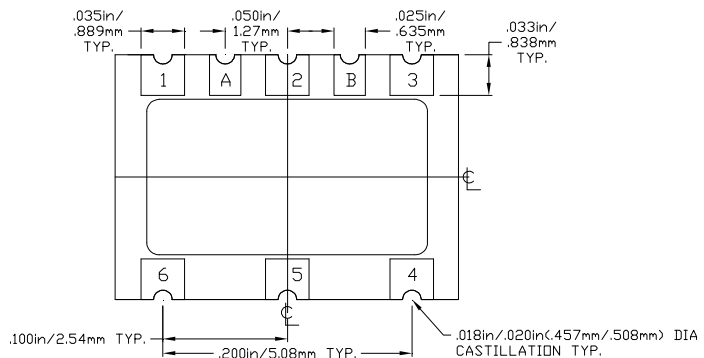
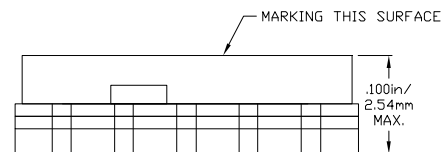
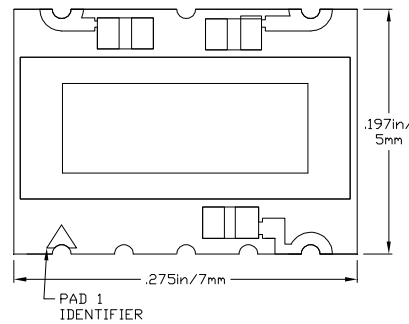
Model	Input V	Output
T75	+3.3V	HCMOS
T76	+5.0V	HCMOS
T77	+3.3V	SINEWAVE
T78	+5.0V	SINEWAVE

### Ordering Example:

T75-T57-20.0MHz  
(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](mailto:sales@greenrayindustries.com).

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