



T57 Series TCXO

10MHz to 52MHz

(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Ultra-Low G-Sensitivity
Tight Temp Stability

SPECIFICATIONS

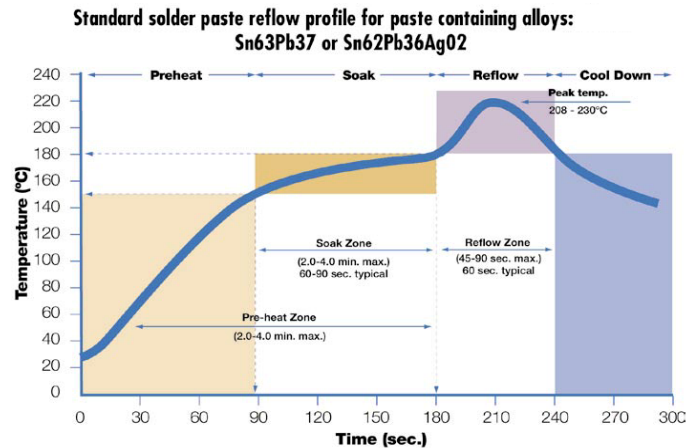
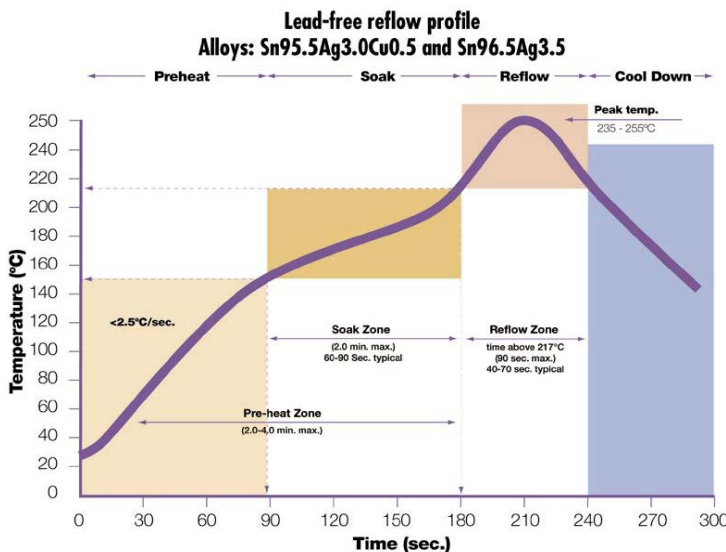
Frequency	10MHz to 52MHz		
Output	CMOS (C option) or Clipped Sinewave (S option)		
Symmetry	50% ± 10% (CMOS)		
Output Level	SINE - +0.8V p-p min into 10pF/10k ohm load; CMOS - 3.3V - +0.2V max to +2.8V min; 5.0V - +0.2V max to +4.2V min; 15pF load		
Temp Stability (other stabilities available)	Temp Range	Tolerance	Option
	-40°C to +85°C	±0.2 ppM	T27
	-40°C to +85°C	±0.5 ppM	T57
	-40°C to +85°C	±1.0 ppM	T16
Aging	<1.0 ppM/yr typ		
Freq vs Reflow	<1ppM after 24hr recovery		
Freq Adjust	±8 ppM typ via 0 to V _{cc} control V, positive slope; or available with no adjust		
Supply Voltage	+3.0 VDC ± 5%, +3.3VDC, or +5.0 VDC		
Supply Current	< 6mA for HCMOS; < 3mA for SINE		
G-Sensitivity	≤7x10 ⁻¹⁰ /g in the worst axis – Option LG ≤5x10 ⁻¹⁰ /g in the worst axis – Option HG ≤3x10 ⁻¹⁰ /g in the worst axis – Option UG		

Environmentals

Vibration – per MIL-STD-202G, Meth 214,
Cond I-F
Shock - up to 30000 g's

Ordering Example:

T57-T16-C-3.3-HG-20MHz
(Model-Stability-Output-SupplyV-GSense-Freq)



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

840 West Church Rd., Mechanicsburg, PA 17055

Tel: (717) 766-0223 Fax: (717) 790-9509

www.greenrayindustries.com email: sales@greenrayindustries.com

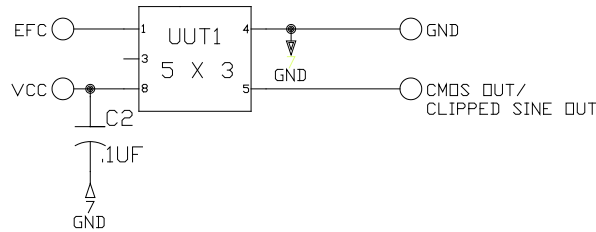


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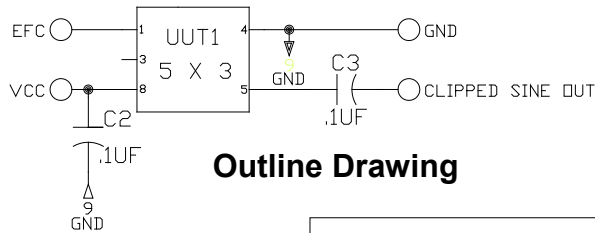
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Recommended Output Configuration

CMOS/
 CLIPPED SINE <DC COUPLED>



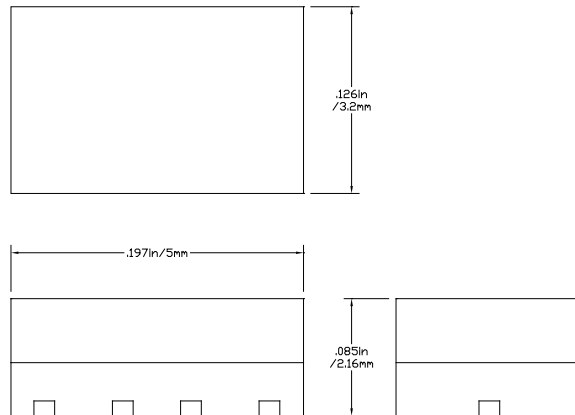
CLIPPED SINE <AC COUPLED>



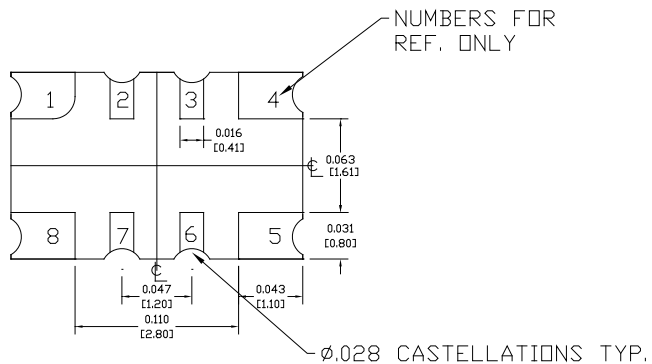
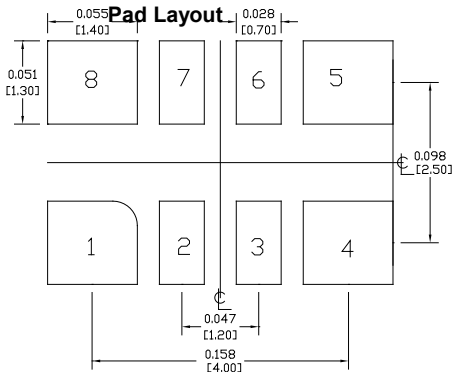
Outline Drawing

Pad Connections

- 1 - EFC
- 2 - N/C, Internal Use Only
- 3 - N/C, Internal Use Only
- 4 - 0V, Ground
- 5 - Output
- 6 - Tri-State (enable Hi or float)
- 7 - N/C, Internal Use Only
- 8 - Supply Voltage



Pad Layout



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