



GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

ZY4005 OSCILLATOR

20.0KHz – 100.0 MHz

Hybrid Uncompensated Crystal Oscillator
Optional Screening to MIL-PRF-38534
14 PIN DIP
HCMOS Output

SPECIFICATIONS

Frequency	20.0 KHz to 100.0 MHz	Model ZY4005
Output	Square Wave 50/50 $\pm$ 10% Duty Cycle	
Input Voltage	+5 Vdc $\pm$ 5%	
Input Current	20 mA Maximum	
Operating Temperature/Stability	Temperature Range -40 to +85°C -55 to +125°C	Tolerance $\pm$ 50.0 ppm $\pm$ 100.0 ppm

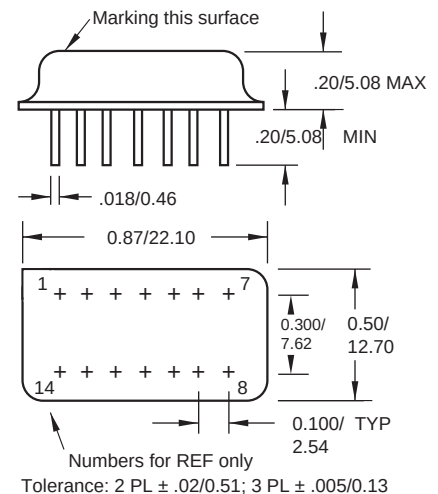
OPTIONAL: MIL-PRF-38534 DEVICE SCREENING to CLASS H

Test or Inspection	MIL-STD-883	Condition
	Method	
Pre-seal Burn-in	1030	
Internal Visual	2017	
Temperature Cycling	1010	C
Constant Acceleration	2001	3000g's
Burn-in	1015	
Final Electrical Test	In accordance with applicable device specification	
Seal (fine and gross)	1014	
External Visual	2009	

Ordering Example: ZT4005 - 20.0 MHz
(Model# - Frequency)

PIN CONNECTIONS

7 – 0V, Case GND
8 – Output
14 – Input Voltage
All others are N/C



Notes:

PIN 1 identified by square corner
PIN Pattern is centered on base
Unused pins may be internally connected:
Contact factory before using.

Dimensions: Inches (mm)

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