



GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

ZY4005 OSCILLATOR

20.0KHz – 100.0 MHz

Hybrid Uncompensated Crystal Oscillator
Optional Screening to MIL-PRF-55310
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	-40 to +85°C	Tolerance $\pm$ 50.0 ppm
Temperature/Stability	-55 to +125°C	$\pm$ 100.0 ppm

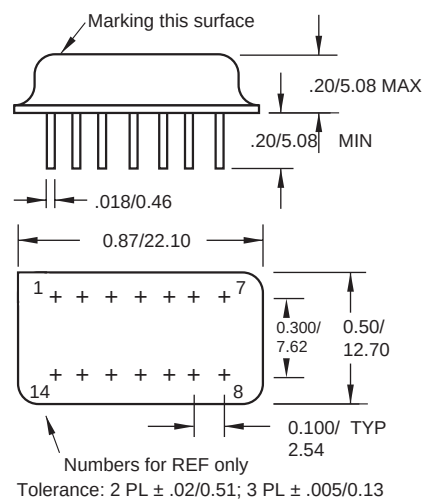
Optional: Mil-PRF-55310 DEVICE SCREENING to CLASS 2, Product Level B

Test or Inspection	MIL-STD-883 Method	Condition
Internal Visual	2017, 2032	
Stab Bake	1008	C
Temperature Cycling	1010	B
Constant Acceleration	2001	A, Y1 only (5000g's)
Seal (fine and gross)	1014	
Burn-in (load)	+125C, Voltage & Load	160hrs min.
Final Electrical Test	In accordance with applicable device specification	

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.

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