



GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

ZN230 Series VCXO

100.0 MHz – 200.0 MHz

High Frequency Fundamental Crystal
Low Jitter
LVPECL Output

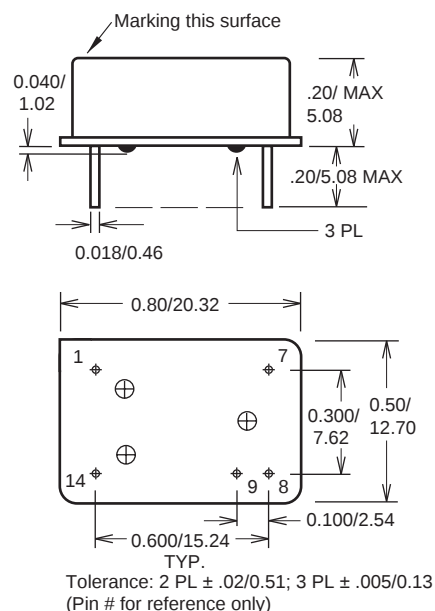
SPECIFICATIONS

Frequency	100.0 MHz to 200.0 MHz	
Output	PECL	
Input Voltage	+3.3 Vdc $\pm$ 5%, (5.0 Vdc option available)	
Initial Stability	$\pm$ 10 ppm	
Temperature Stability	$\pm$ 30 ppm	
Operational Temp. Range	-40 to +85°C	
Current Consumption	< 65 mA	
Rise and Fall	< 1 ns	
Duty Cycle	40/60%	
Frequency Control	> $\pm$ 100 ppm 0 to 3.3V	
Load	50 ohms	
Linearity	< 10% positive slope	
Jitter (12KHz to 20MHz)	< 0.5 ps	
Phase Noise	Offset Frequency (Hz)	dBc/Hz
(Typical @ 155.52 MHz)	10	-60
	100	-90
	1K	-120
	10K	-135
	100K	-140

Ordering Example: ZN230 - 100.0 MHz
(Model# - Frequency)

- PIN CONNECTIONS**
- 1 – Frequency Control
 - 7 – 0V, Case GND
 - 8 – Output
 - 9 – Complementary Output
 - 14 – Input Voltage

Dimensions: Inches (mm)



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