



GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

ZN155 Series VCXO

4.0 MHz – 180.0 MHz

Hybrid VCXO
Wide Frequency Control Range
24 PIN DIP
Sine Wave Output

SPECIFICATIONS

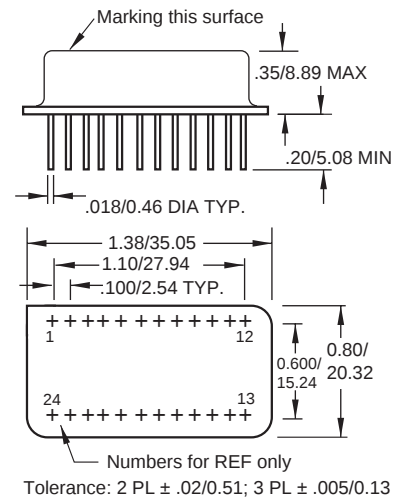
Frequency	4.0 MHz to 180.0 MHz
Output	Sine Wave 50Ω load
Harmonics & Sub-Harmonics	-20 dBc
Input Voltage	+15 Vdc $\pm$ 5%
Input Current	40 mA Maximum
Operating Temperature	-30 to +85°C
Ext. Frequency Control Pin 1	$\pm$.01%, $\pm$.03% or $\pm$.05% min. Control Voltage: 0 $\pm$ 5 V (DC coupled with a max. modulation rate of 15 KHz) Center frequency will occur at 0 V $\pm$ 1 V control voltage
Output Power to 50 ohm load	4 MHz to 30 MHz + 10 dBm min. > 30 MHz to 60 MHz + 5 dBm min. > 60 MHz to 180 MHz + 3 dBm min.
Modulation Input Load	1K Ohm min.
Linearity $<\pm$ 10% or better	Negative Slope

Model	Stability	Pullability	Frequency Control
ZN155A	$\pm$ 20ppm	$\pm$ 100 PPM	
ZN155B	$\pm$ 30ppm	$\pm$ 300 PPM	
ZN155C	$\pm$ 40ppm	$\pm$ 500 PPM	
ZN155AZ	$\pm$ 20ppm	$\pm$ 100 PPM	EFC Pin 3
ZN155BZ	$\pm$ 30ppm	$\pm$ 300 PPM	EFC Pin 3
ZN155CZ	$\pm$ 40ppm	$\pm$ 500 PPM	EFC Pin 3

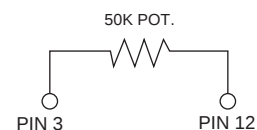
Ordering Example: ZN155 - A - Z - 10.0 MHz
(Model# - Pullability - Frequency Control - Frequency)

PIN CONNECTIONS

- 1 – EFC
- 3 – EFC 50K Pot Option
- 12 – 0V, Case GND
- 14 – Output
- 24 – Supply Voltage
- All others are N/C



"Z" OPTION



Dimensions: Inches (mm)

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