



GREENRAY INDUSTRIES, INC.

ZT5050 Series TCXO

10.0 MHz – 60.0 MHz

PRECISION QUARTZ TECHNOLOGY

Very High Stability
Euro Package
HCMOS or Sine Wave Output
3.3V or 5V Supply
Ideal for Communications and Test Equipment

Combination of Analog and Digital design for applications which require low current consumption and excellent stability.

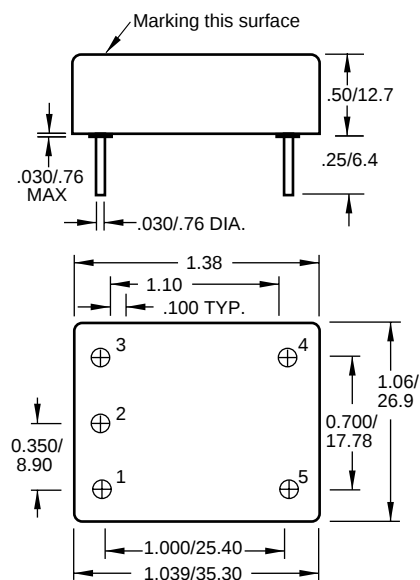
PRELIMINARY SPECIFICATIONS

Frequency	10.0 MHz to 60.0 MHz		
Output	HCMOS or Sine Wave		
Input Voltage	+3.3 Vdc $\pm$ 5%, or +5 Vdc $\pm$ 5%,		
Input Current	50 mA max., 20mA max.(< 30 MHz), 45mA max.(@ 10 MHz)		
	Temperature Range	Tolerance	Model
Operating	0 to +50°C	$\pm$.04 ppm	B48
Temperature/Stability	-20 to +70°C	$\pm$.05 ppm	N58
	-40 to +85°C	$\pm$.07 ppm	T78
Frequency Control	> $\pm$ 5 ppm 0 to 3.3V, Positive Slope		
Aging	$\pm$ 1.0 ppm 1 st year		

Model	Input Voltage	Output	Temperature Stability Options		
ZT5010	+5.0 Vdc	HCMOS	B48	N58	T78
ZT5011	+5.0 Vdc	Sine Wave	B48	N58	T78
ZT5012	+3.3 Vdc	HCMOS	B48	N58	T78
ZT5013	+3.3 Vdc	Sine Wave	B48	N58	T78

Ordering Example: ZT5050 - N - 58 - 10.0 MHz
(Model# - Stability - Frequency)

- PIN CONNECTIONS**
- 1 – Frequency Control
 - 2 – Reference Voltage
 - 3 – Input Voltage
 - 4 – Output
 - 5 – 0V, Case GND



Dimensions: Inches (mm)

Pin Numbers for REF only
Tolerance: Inch/mm $\pm$.04/1.0, $\pm$.015/.38

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