



GREENRAY INDUSTRIES, INC.

ZT5000 Series **TCXO**
10.0 MHz – 30.0 MHz

PRECISION QUARTZ TECHNOLOGY

4 PIN DIP
HCMOS or Sine Wave Output
3.3V or 5V Supply
Ideal for Communications and Test Equipment

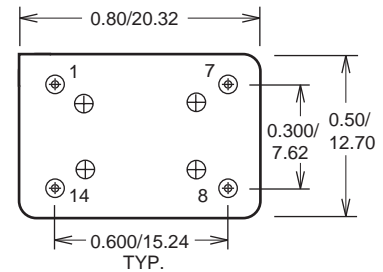
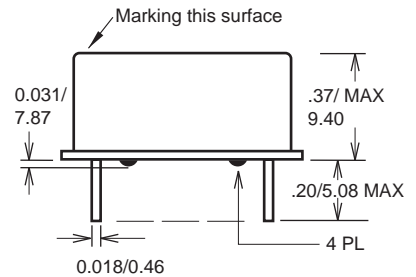
PRELIMINARY SPECIFICATIONS

Frequency	10.0 MHz to 30.0 MHz
Output	HCMOS or Sine Wave
Input Voltage	+3.3 Vdc ± 5%, or +5 Vdc ± 5%,
Input Current	< 20 mA
	Temperature Range Tolerance Model
Operating	0 to +50°C ± 2 ppm B26
Temperature/Stability	-20 to +70°C ± 2.5 ppm N256
Ext. Frequency Control Pin 1	-40 to +85°C ± 5 ppm T56
Aging	> ±5 ppm Positive Slope
Phase Noise	±1.0 ppm 1 st year; 0.5 ppm/year after 1 st year
(Typical @ 13 MHz)	Offset Frequency (Hz) dBc/Hz
	10 -85
	100 -110
	1K -130
	10K -145

Model	Input Voltage	Output	Temperature Stability Options		
ZT5000	+5.0 Vdc	HCMOS	B26	N256	T56
ZT5001	+5.0 Vdc	Sine Wave	B26	N256	T56
ZT5002	+3.3 Vdc	HCMOS	B26	N256	T56
ZT5003	+3.3 Vdc	Sine Wave	B26	N256	T56

Ordering Example: ZT5000 - B - 26 - 10.0 MHz
(Model# - Stability - Frequency)

- PIN CONNECTIONS**
- 1 – EFC
 - 7 – 0V, Case GND
 - 8 – Output
 - 14 – Supply Voltage



Dimensions: Inches (mm)

Tolerance: 2 PL ± .02/0.51; 3 PL ± .005/0.13
(Pin # for reference only)

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

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