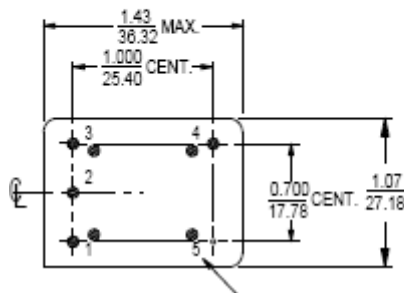
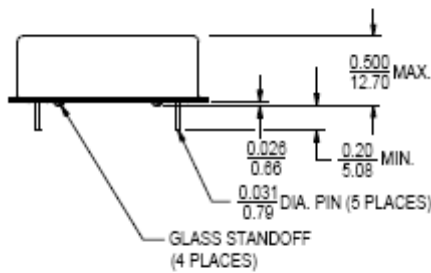
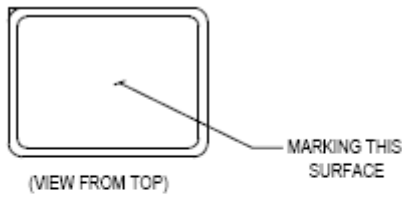




1. OUTPUT (PIN = "R.F. OUTPUT")
 - 1.1. Frequency 10.000000 MHz
 - 1.2. Waveform Rectangular
 - 1.3. Level HCMOS
 - a. "1" level > +4.4 V
 - b. "0" level < +0.4 V
 - 1.4. Load 15pF
 - 1.5. Duty cycle 45% to 55% @ +2.5 V
 - 1.6. Rise/fall time < 3 ns (10% to 90%)
 - 1.7. Spurious < -70 dBc
2. FREQUENCY STABILITY
 - 2.1. Ambient < $\pm 1 \times 10^{-9}$, 0°C to +70°C
 - 2.2. Aging
 - a. At time of shipment < $\pm 3 \times 10^{-10}$ /day
 - b. After indefinite storage
 - i. Daily < $\pm 3 \times 10^{-10}$ after 30 days
 - ii. Yearly < $\pm 5 \times 10^{-8}$
 - iii. 15 years < $\pm 3.5 \times 10^{-7}$
 - 2.3. Voltage < $\pm 1 \times 10^{-9}$ / $\pm 5\%$ change
 - 2.4. Short term < 1×10^{-11} /second
root Allan variance
 - 2.5. Warm-up < $\pm 5 \times 10^{-8}$ in 8 minutes
(referenced to 1 hour)
 - 2.6. Phase noise
 - a. @ 10 Hz < -120 dBc
 - b. @ 100 Hz < -140 dBc
 - c. @ 1k Hz < -150 dBc
 - d. @ 10 kHz < -150 dBc
 - e. @ 100 kHz < -150 dBc
3. ELECTRICAL FREQUENCY ADJUSTMENT (PIN = "VCO INPUT")
 - 3.1. Range > $\pm 4 \times 10^{-7}$
< $\pm 8 \times 10^{-7}$ (At time of shipment)
(Referenced to nominal frequency)
 - 3.2. Control 0 to +5 V
 - 3.3. Slope Positive
 - 3.4. Center +2.5 \pm 0.3 V
(Control voltage at which nominal
frequency occurs at time of shipment)
(NOTE: When not connected,
VCO INPUT is internally held in
this voltage range.)
 - 3.5. Linearity < $\pm 10\%$
 - 3.6. Input impedance > 50 k Ω

OCXO SPECIFICATIONS

- 4. INPUT POWER (PIN = "+VDC")
 - 4.1. Voltage +12 V ±5%
 - 4.2. Current < 350 mA @ turn on
 - 4.3. Steady state < 1.8 Watts @ +25°C
- 5. REFERENCE VOLTAGE (PIN = "REFERENCE VOLTAGE"), Not Connected
- 6. RoHS
All units supplied under this MODEL NUMBER are RoHS compliant.
- 7. MECHANICAL (Outline drawing)
 - 7.1. Applicable series OCXO 131 series
 - 7.2. Model number OCXO 131-1007
 - 7.3. Outline drawing 125-597





OCXO SPECIFICATIONS

PIN CONNECTIONS	
PIN	FUNCTION
1 <small>(See Note 1)</small>	VCO INPUT or NOT CONNECTED
2 <small>(See Note 1)</small>	REFERENCE VOLTAGE or NOT CONNECTED
3	+VDC
4	R. F. OUTPUT
5	0 VOLTS & CASE

Note 1. If the specification does not specify parameters for either PIN1 or PIN2 then that respective PIN is NOT internally CONNECTED.