

# OSCILLATOR

## CUSTOMER REQUEST INFORMATION FORM

### GENERAL INFORMATION

Customer Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax.: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_  
Purchasing Contact: \_\_\_\_\_ Engineering Contact: \_\_\_\_\_  
Prototype Quantity: \_\_\_\_\_ Target Price: \_\_\_\_\_ Delivery: \_\_\_\_\_  
Expect Yearly Volume: \_\_\_\_\_ Beginning: \_\_\_\_\_  Specification Attached

### OSCILLATOR GENERAL INFORMATION

Osc. Type:  XO (ISM- SMD, HCOH- Leaded)  VCXO (I600- SMD, I200- Leaded)  TCXO (I500- SMD, I100- Leaded)  
 VCTCXO (I700- SMD, I300- Leaded)  OCXO (I800- SMD, I400- Leaded)  VCOCXO (I800- SMD, I400- L)

ILSI Part Ordering Information: \_\_\_\_\_ Page: \_\_\_\_\_ (If using the Catalog)

### ELECTRICAL REQUIREMENTS

- 1. Nominal Frequency:** \_\_\_\_\_ MHz
- 2. Output:** A. Sine Wave (Clipped Sine) B.  TTL  HCMOS  TTL/HCMOS C. ECL/PECL  
Level: \_\_\_\_\_  Vp-p Level: '0' \_\_\_\_\_ Vdc Level: '0' \_\_\_ Min \_\_\_ Max  
 dBm '1' \_\_\_\_\_ Vdc '1' \_\_\_ Min \_\_\_ Max  
 Vrms Symmetry: \_\_\_% ± \_\_\_% @ \_\_\_ Symmetry: \_\_\_% ± \_\_\_% @ \_\_\_
- 3. Frequency Stability:**
- A. Frequency Tolerance at 25°C: ± \_\_\_\_\_ ppm or Hz.
- B. Over All Stability: ± \_\_\_\_\_ ppm (including: \_\_\_\_\_)
- C. Frequency vs. Temperature: ± \_\_\_\_\_ ppm from \_\_\_\_\_ °C to \_\_\_\_\_ °C Ref. To Freq. @ \_\_\_\_\_ °C  
Frequency vs. Temperature: ± \_\_\_\_\_ ppm from \_\_\_\_\_ °C to \_\_\_\_\_ °C Ref. To Freq. @ \_\_\_\_\_ °C
- D. Frequency vs. Osc. Supply: ± \_\_\_\_\_ ppm per \_\_\_\_\_ % Supply Voltage Change  
Frequency vs. Oven Supply: ± \_\_\_\_\_ ppm per \_\_\_\_\_ % Supply Voltage Change
- E. Frequency vs. Load Change: ± \_\_\_\_\_ ppm per \_\_\_\_\_ % Load Change
- F. Frequency vs. Time (Aging): ± \_\_\_\_\_ ppm / Day, ± \_\_\_\_\_ ppm / Year, ± \_\_\_\_\_ ppm / \_\_\_\_\_
- G. Short Term Stability: \_\_\_\_\_ AV (Allen Variance) Gate Time \_\_\_\_\_ - \_\_\_\_\_ Sec. Gate  
Other: \_\_\_\_\_
- H. Jitter: \_\_\_\_\_ pS (pico Second)
- 4. Warm Up:** To within ± \_\_\_\_\_ ppm in \_\_\_\_\_ Minutes or Seconds Ref. To \_\_\_\_\_
- 5. Retrace:** To within ± \_\_\_\_\_ ppm of Off Frequency in \_\_\_\_\_ Minutes or Seconds
- 6. Phase Noise:** @ Offset: 1 Hz. - \_\_\_\_\_ dBc/Hz, 10 Hz - \_\_\_\_\_ dBc/Hz., 100 Hz - \_\_\_\_\_ dBc/Hz  
(1 Hz BW) @ Offset: 1 KHz. - \_\_\_\_\_ dBc/Hz, 10 KHz - \_\_\_\_\_ dBc/Hz., 100 KHz - \_\_\_\_\_ dBc/Hz
- 7. Frequency Adjustment:**
- A. Mechanical Adjustment Range: ± \_\_\_\_\_ ppm Min. ± \_\_\_\_\_ ppm Max.  
B. Electrical Adjustment Range: ± \_\_\_\_\_ ppm Min. ± \_\_\_\_\_ ppm Max.  
Voltage Controlled: \_\_\_ Vdc ± \_\_\_ Vdc Linearity: \_\_\_ % Slope: \_\_\_\_\_ (Positive or Negative)
- 8. Power Supply:** A. Osc. Supply: \_\_\_\_\_ Vdc ± \_\_\_\_\_ % Current: \_\_\_\_\_ mA @ \_\_\_\_\_ °C  
B. Oven Supply: \_\_\_ Vdc ± \_\_\_ % , Current at turn on: \_\_\_ mA @ \_\_\_\_\_ °C, Current at Steady State: \_\_\_ mA @ \_\_\_\_\_ °C
- 9. Tristate:** Yes / No

### ENVIRONMENTAL REQUIREMENTS

Shock: \_\_\_\_\_ Vibration: \_\_\_\_\_ Humidity: \_\_\_\_\_  
Seal: \_\_\_\_\_ G-Sensitivity: \_\_\_\_\_ Other: \_\_\_\_\_

**MECHANICAL REQUIREMENTS:** LWH \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ (mm/in) or \_\_\_\_\_ OUTLINE Attached

Comments: \_\_\_\_\_