



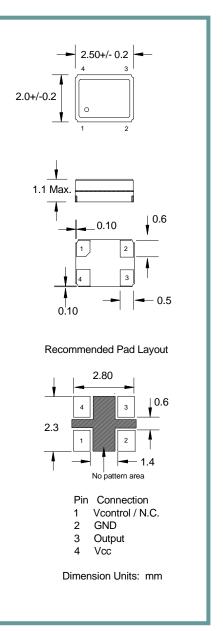
Product Features:

Low Current Consumption
Ultra Miniature Package
RoHS Compliant
Compatible with Leadfree Processing

Applications:

Server & Storage CDMA/WCDMA 802.11 / Wifi T1/E1, T3/E3

| Frequency | (Contact Sales Channel for other available frequencies) |
|---|---|
| Output Level Clipped Sinewave | 0.8 V p-р Min. |
| Output Load Clipped Sinewave | 10K Ohms / 10 pF |
| Frequency Stability Vs Temperature Vs Voltage Vs Load(5%) | See Frequency Stability Table ± 0.2 ppm Max. ±.0.2 ppm Max. |
| Frequency Tolerance @ 25° C | ±2 .0 ppm (After 2 nd Reflow) |
| Aging | ± 1 ppm / Year Max. |
| Supply Voltage | See Supply Voltage Table , tolerance ± 5% |
| Current | 2.0 mA Max. |
| Voltage Control (I783) | 1.5 VDC ± 1.0 VDC, ± 5.0 ppm Min. (Custom Available) |
| Operating | See Operating Temperature Table |
| Storage | -40° C to +85° C |
| Harmonics | -8.0 dBc Max. |
| Phase Noise | -130 dBc/Hz @ 1KHz |



| | Part Number Guide | Sample Part Number: I583-5P8-26.000 Mi | hz | |
|--|-----------------------|--|----------------|------------|
| Package | Operating Temperature | FrequencyStability vs Temperature | Supply Voltage | Frequency |
| I583 (Clipped Sinewave TCXO) I783 (Clipped Sinewave TCVCXO) | 7 = 0° C to +50° C | P = ±2.0 ppm | 3 = 3.3 V | 26.000 MHz |
| | 1 = 0° C to +70° C | $Q = \pm 2.5 \text{ ppm}$ | 7 = 3.0 V | |
| | 3 = -20° C to +70° C | $R = \pm 3.0 \text{ ppm}$ | 8 = 2.8 V | |
| | 5 = -30° C to +85° C | $J = \pm 5.0 \text{ ppm}$ | 2 = 2.7 V | |
| | | | 1 = 1.8 V | |
| | | | | |

NOTE: A 0.01 µF bypass capacitor is recommended between Vcc (pin 4) and GND (pin 2) to minimize power supply noise.

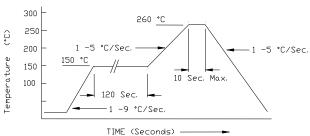
** Not available for all temperature ranges.



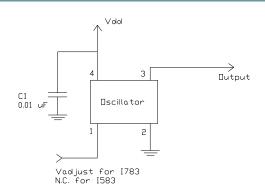


Pb Free Solder Reflow Profile:

Typical Application:





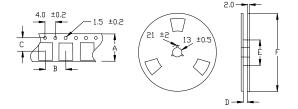


Package Information:

MSL = N.A. (package does not contain plastic, storage life is unlimited under normal room conditions).

Termination = e4 (Au over Ni over W base metalization).

Tape and Reel Information:



| Quantity per Reel | 3000 |
|----------------------|-------------------|
| Α | 8 +/3 |
| В | 4 +/2 |
| С | 3.5 +/2 |
| D | 9 +/-1 or 12 +/-3 |
| E | 60 / 80 |
| F | 180 |

Environmental Specifications

| Thermal Shock | MIL-STD-883, Method 1011, Condition A |
|------------------------------|---|
| Moisture Resistance | MIL-STD-883, Method 1004 |
| Mechanical Shock | MIL-STD-883, Method 2002, Condition B |
| Mechanical Vibration | MIL-STD-883, Method 2007, Condition A |
| Resistance to Soldering Heat | J-STD-020C, Table 5-2 Pb-free devices (except 2 cycles max) |
| Hazardous Substance | Pb-Free / RoHS / Green Compliant |
| Solderability | JESD22-B102-D Method 2 (Preconditioning E) |
| Terminal Strength | MIL-STD-883, Method 2004, Test Condition D |
| Gross Leak | MIL-STD-883, Method 1014, Condition C |
| Fine Leak | MIL-STD-883, Method 1014, Condition A2, R1=2x10-8 atm cc/s |
| Solvent Resistance | MIL-STD-202, Method 215 |

Marking

Line 1: XXXX(Freq.Code,Production Code,Year, Month,Date) (Example="GB17L")

Line 2: XXXXX (Crystal Code)