ECLIPTEK® CORPORATION

Marketing Bulletin

DATE: Thursday, November 11, 1999

TO: Affected Customers

FROM: Marketing

RE: EC23 Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the EC23 series Ecliptek oscillator effective Thursday, November 11, 1999.

In compliance with our End of Life (EOL) policy, this notice will serve as advanced notice of product termination. New orders will not be accepted after Friday, February 11, 2000, with delivery to be conclude by Wednesday, May 10, 2000.

The EC25 series is a recommended alternate for the EC23 series. This may not be an exact cross, so it is highly recommended that the data sheet(s) of the recommended alternate are reviewed and samples tested to ensure conformance.

If there are any questions pertaining to this bulletin, please contact your Ecliptek sales representative. Thank you again for your cooperation.

Ecliptek Marketing

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STANDARD SPECIFICATIONS

Frequency Range:	1.500MHz to 80.000MHz
Frequency Tolerance/Stability: 00 45	(All Values Inclusive of Operating Temp. Range, Supply Voltage, and Load) ±100ppm Maximum ±50ppm Maximum
Operating Temperature Range	0°C to +70°C
Storage Temperature Range	-55°C to +125°C
Supply Voltage	5.0Vdc ±10%
Input Current (15pF HCMOS Load)	10mA Maximum Over 1.500MHz to 30.000MHz, 15mA Maximum Over 30.001MHz to 35.000MHz 30mA Maximum Over 35.001MHz to 66.000MHz,50mA Maximum Over 66.001MHz to 80.000MHz
Input Current (50pF HCMOS Load)	20mA Maximum Over 1.500MHz to 20.000MHz, 35mA Maximum Over 20.001MHz to 50.000MHz 60mA Maximum Over 50.001MHz to 80.000MHz
Output Voltage Logic High	V_{DD}-0.5Vdc Minimum
Output Voltage Logic Low	0.5Vdc Maximum
Rise/Fall Time	10nSec Maximum (Measured at 10% to 90% of waveform)
Duty Cycle	50% ±10% (@ 50% of waveform)
Load Drive Capabillity Y	15pF HCMOS Load Maximum 50pF HCMOS Load Maximum
Aging @ 25°C	±5ppm/year
Pin 1 Connection Blank TS	 No Connect Tri-State (High Impedance)
Tri-State Input Voltage (V_{IH} & V_{IL})	+4.5Vdc Min. to Enable Output, +0.5Vdc Max. to Disable Output (High Impedance) w/15pF HCMOS Load, +2.2Vdc Min. to Enable Output, +0.5Vdc Max. to Disable Output (High Impedence) w/50pF HCMOS Load, No Connect to Enable Output

ORIGINAL IF IN RED

OBSOLETE

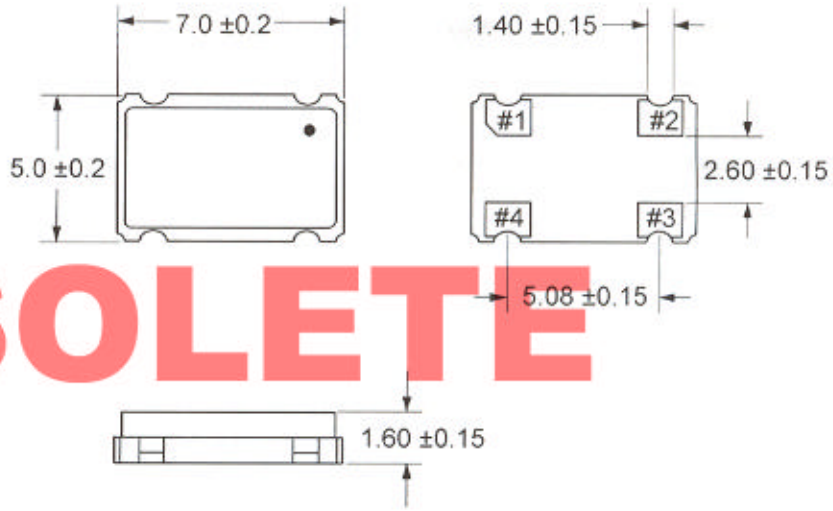
ENVIRONMENTAL & MECHANICAL

Shock:	Conditions and Criteria Listed in TQC41-883-007
Vibration:	Conditions and Criteria Listed in TQC41-883-008
Seal Integrity:	Conditions and Criteria Listed in TQC41-883-003
Solderability:	Conditions and Criteria Listed in TQC41-883-004 / 95% coverage
Marking Permenancy:	Conditions and Criteria Listed in TQC41-883-001

PART NUMBERING GUIDE

EC23 00 TS Y - 40.000M TR

- **Packaging Options** — See Packaging Options Below.
- **Frequency in MHz**
- **Load Drive Capability** — Blank = 15pF HCMOS Load Maximum; Y = 50pF HCMOS Load Maximum
- **Pin 1 Connection** — Blank = No Connect; TS = Tri-State (High Impedance)
- **Frequency Tolerance/Stability** — 00 = ±100ppm Maximum; 45 = ±50ppm Maximum



OBSOLETE

MARKING GUIDE

(Line #1) **EC23 TS**

- **Pin 1 Connection** — Blank = No Connect; TS = Tri-State

(Line #2) **W XX.XX**

- **Frequency (MHz)**
- **Frequency Tolerance/Stability** — 0 = ±100ppm Maximum; 5 = ±50ppm Maximum

NOTE: Pin 1 shall be marked with a dot. Marking shall conform to conditions listed in TQC41-001-000.

PIN	CONNECTION
1	No Connect or Tri-State
2	Ground/Case Ground
3	Output
4	Supply Voltage

ALL DIMENSIONS IN MILLIMETERS

PACKAGING OPTIONS

Blank = Bulk
TR = Tape & Reel (CPA70-171-000)

SOURCE CONTROL DRAWING

ECLIPTEK® CORPORATION

Drawing Number: CSC13-002-000

Title: 1.6mm 5.0Vdc Ceramic Surface Mount Oscillator