

Marketing Bulletin

DATE: Tuesday, February 01, 2000
TO: Affected Customers
FROM: Marketing
RE: EC17 Series Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the EC17 series Ecliptek oscillator effective Tuesday, February 01, 2000.

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 Tuesday, February 01, 2000, with delivery to be conclude by Tuesday, February 01, 2000.

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

Ecliptek Marketing

STANDARD SPECIFICATIONS

| | |
|--|--|
| Frequency Range: | 70.000MHz to 125.000MHz (See drawing number TEN08-016-002 for a list of qualified frequencies.) |
| Frequency Tolerance/Stability: | (All Values Inclusive of Temperature, Voltage, and Load) |
| 00 | ±100ppm Max. |
| 45 | ±50ppm Max. |
| 25 | ±25ppm Max. (0°C to +70°C only) |
| Operating Temperature Range | 0°C to +70°C |
| ET | -40°C to +85°C |
| Storage Temperature Range | -55°C to +125°C |
| Aging (@ 25°C) | ±5ppm/year Maximum |
| Supply Voltage (V _{DD}) | 5.0Vdc ±10% |
| Input Current (I _{DD}) | ≤ 100.000MHz 50mA Maximum, > 100.000MHz 65mA Maximum |
| Output Voltage Logic High (V _{OH}) | V _{DD} -0.5Vdc Min. |
| Output Voltage Logic Low (V _{OL}) | 0.5Vdc Max. |
| Duty Cycle (@ 25°C) | 50% ±10% (@ 50% of waveform) |
| T | 50% ±5% (@ 50% of waveform) |
| Rise/Fall Time | 3nSec Max. (10% to 90% of waveform) |
| Load Drive Capability | 15pF HCMOS Load Maximum |
| Pin 1 Connection | |
| Blank | No Connect |
| TS | Tri-State (High Impedence) |
| Tri-State Input Voltage (V _{IH} & V _{IL}) | +2.0Vdc. Min. to Enable Output, +0.8Vdc Max. to Disable Output (High Impedence), No Connect to Enable Output |
| Start Up Time | 10 mSec Maximum |
| Jitter (Absolute) | ±100pSec Maximum |
| Jitter (One Sigma) | ±25pSec Maximum |

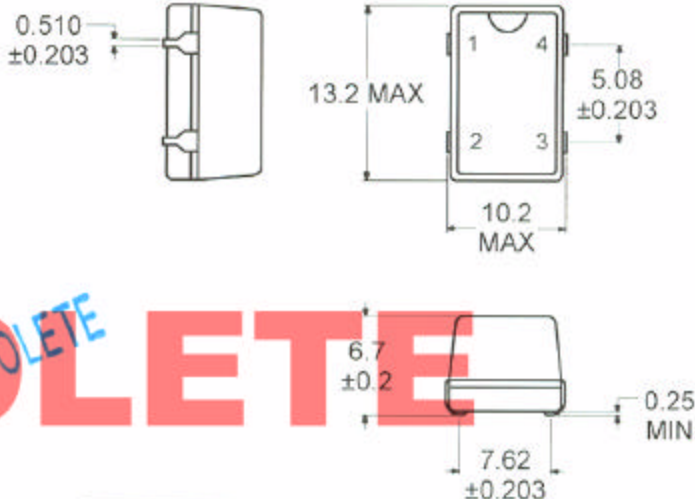
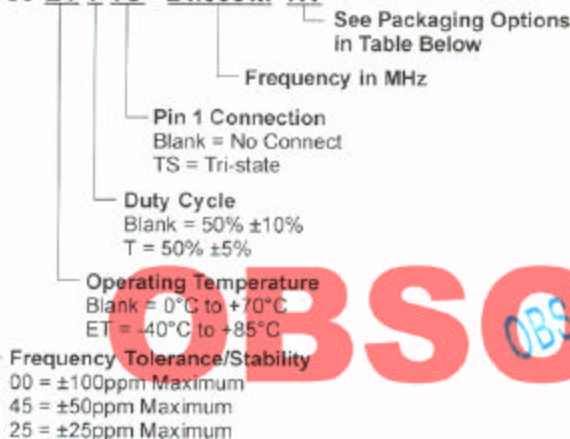
ORIGINAL
IF IN RED

ENVIRONMENTAL & MECHANICAL

| | |
|---------------------|---|
| Shock: | Conditions and Criteria Listed in TQC41-883-007 ; 50cm |
| Vibration: | Conditions and Criteria Listed in TQC41-883-008 |
| Seal Integrity: | Conditions and Criteria Listed in TQC41-883-003 (Internal Crystal Only) |
| Solderability: | Conditions and Criteria Listed in TQC41-883-004 ; 95% coverage |
| Marking Permanency: | Conditions and Criteria Listed in TQC41-883-001 |

PART NUMBERING GUIDE

EC17 00 SJ ET T TS - 24.000 M TR



MARKING GUIDE

(Line #1) ECLIPTEK

(Line #2) XX.XXXM

Frequency in MHz

(Line #3) XX Y ZZ

Week of Year
Last Digit of Year

Eclipse Manufacturing Code (per TEN02-001-000)



NOTE: Marking shall conform to conditions listed in TQC41-001-000.

PACKAGING OPTIONS

Blank = Bulk (CPA72-001-000)

TR = Tape & Reel (CPA70-411-000)

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

ALL DIMENSIONS
IN MILLIMETERS

SPECIFICATION CONTROL DRAWING

| | |
|--|---------------------------------|
| | Drawing Number CSC16-002-000 |
|--|---------------------------------|

Title
5.0Vdc J-Leaded Plastic Surface Mount Oscillator