ECLIPTEK® CORPORATION

Marketing Bulletin

DATE: May 6, 2005

TO: All Sales Personnel

FROM: Mark Stoner

RE: E11 (OS/03) Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the following Ecliptek series effective May 1st, 2005:

Series	Description	Recommended Replacement
E11	5V 14 pin DIP ECL Oscillator	None

In compliance with our End of Life (EOL) policy, this will serve as advanced notice of product termination. New orders will not be accepted after August 1st, 2005, with delivery to conclude by November 1st 2005.

If there are any questions pertaining to this bulletin, please fell free to contact me. Thank you again for your cooperation.

Best Regards,

Mark W. Stoner
Director of Marketing
Ecliptek Corporation

3545 CADILLAC AVENUE • COSTA MESA, CA 92626-1401 • (714) 433-1200 • Fax (714) 433-1234

STANDARD SPECIFICATIONS

Frequency Range:	6.000MHz to 155.520MHz
Frequency Tolerance/Stability:	(All Values Inclusive of Operating Temp. Range, Supply Voltage, and Load)
00	±100ppm Max.
45	±50ppm Max.
25	±25ppm Max. (0°C to +70°C only), (less than or equal to 125.000MHz only)
Operating Temperature Range	
Blank	0°C to +70°C
ET	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Supply Voltage (V_{EE})	-5.2Vdc ±5% (AA, AB, and AM); +5.2Vdc ±5% (AC)
Input Current	140mA Maximum
Output Voltage Logic High	-1.0Vdc Min./-0.7Vdc Max. (AA, AB, and AM); 4.0Vdc Min./4.5Vdc Max. (AC)
Output Voltage Logic Low	-1.95Vdc Min./-1.60Vdc Max. (AA, AB, and AM); 3.00Vdc Min./3.42Vdc Max. (AC)
Rise/Fall Time	2nSec Maximum (Measured at 20% to 80% of waveform)
Duty Cycle	50% ±10% (Measured at 50% of waveform)
Load Drive Capability	50 Ohms into -2.0Vdc (AA, AB, and AM); 50 Ohms into +3.0Vdc (AC)
Aging @ 25°C	±5ppm/year Maximum

ENVIRONMENTAL & MECHANICAL

Fine Leak Test:	MIL-STD-883, Method 1014, Condition A	Solderability:	MIL-STD-883, Method 2002
Gross Leak Test:	MIL-STD-883, Method 1014, Condition C	Temperature Cycling:	MIL-STD-883, Method 1010
Mechanical Shock:	MIL-STD-202, Method 213, Condition C	Resistance to Soldering Heat:	MIL-STD-202, Method 210
Vibration:	MIL-STD-883, Method 2007, Condition A	Resistance to Solvents:	MIL-STD-202, Method 215
Lead Integrity:	MIL-STD-883, Method 2004		

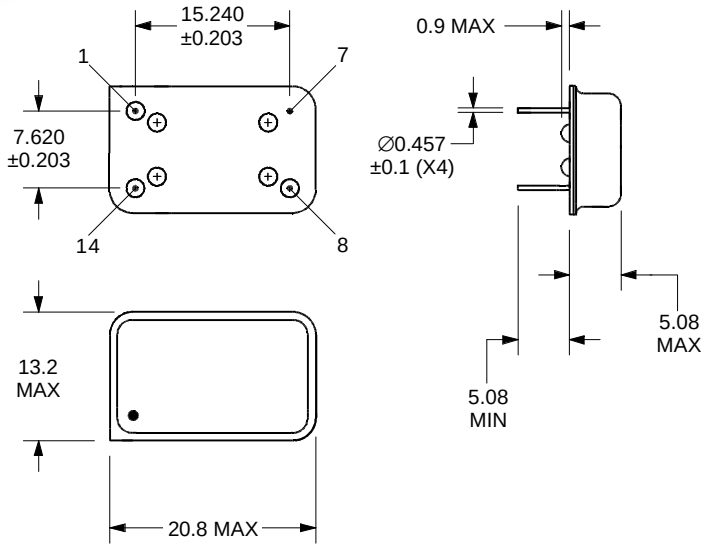
PIN CONFIGURATIONS

PIN	AA	AB	AC	AM
1	Ground/Case	No Connect or Complementary Output	No Connect or Complementary Output	No Connect or Complementary Output
7	-5.2V	-5.2V	Ground/Case	Ground/Case
8	Output	Output	Output	Output
14	Ground	Ground/Case	+5.2Vdc	-5.2Vdc

PART NUMBERING GUIDE

E11 00 AM ET C - 24.000M - CL175

- **Configuration Options**
  CLXXX = Cut Leads (MAL01-101-000)
  G = Gull Wing (MAL01-001-000)
- **Frequency**
- **Pin 1 Connection**
  Blank = No Connect
  C = Complementary Output
- **Operating Temperature Range**
  Blank = 0°C to +70°C
  ET = -40°C to +85°C
- **Pin Configuration**
  AA, AB, AC, or AM
  Per Pin Configuration Table Above
- **Frequency Tolerance/Stability**
  00 = ±100ppm Maximum, 45 = ±50ppm Maximum
  25 = ±25ppm Maximum



MARKING GUIDE

(Line #1) **ECLIPTEK**

(Line #2) **E11 AM C**

- **Pin 1 Connection**
  Blank = No Connect
  C = Complementary Output
- **Pin Configuration Per Pin Configuration Table Above**

(Line #3) **XXX.XXXM**

- **Frequency**

(Line #4) **XX Y ZZ**

- **Week of Year**
- **Last Digit of Year**
- **Ecliptek Manufacturing Code (TEN02-001-000)**

ECLIPTEK
E11AMC
XXX.XXXM
XXYZZ

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

ALL DIMENSIONS IN MILLIMETERS

SPECIFICATION CONTROL DRAWING

ECLIPTEK® CORPORATION	**Drawing Number** CSC01-010-000
Title FULL SIZE ECL OSCILLATOR	
Revision E	**Effectivity Date** 08-27-03
ECN Number 8675	PAGE 1 OF 2
Approved By Date	**Released By** Date