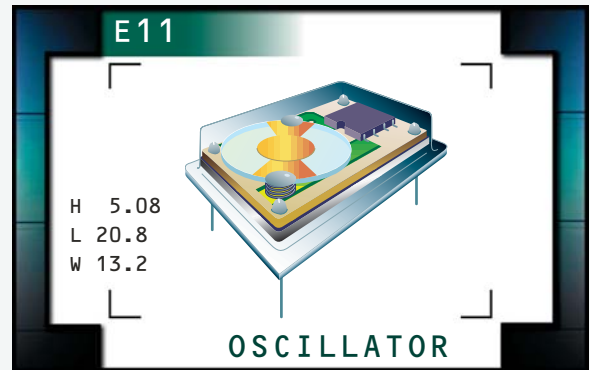


E11 Series

- ECL Output
- -5.2V supply voltage
- 14 pin DIP package
- Four pin configurations available
- Custom lead length, gull wing options available



NOTES

ELECTRICAL SPECIFICATIONS

Frequency Range		6.000MHz to 155.520MHz
Storage Temperature Range		-55°C to 125°C
Aging (at 25°C)		±5ppm / year Maximum
Input Current		140mA Maximum
Operating Temperature Range	±100ppm or ±50ppm	0°C to 70°C or -40°C to 85°C
	±25ppm	0°C to 70°C (≤125.000MHz)
Supply Voltage (V_{EE})		-5.2V _{DC} ±5%
Frequency Tolerance / Stability	Inclusive of Operating Temperature Range, Supply Voltage, and Load	±100ppm, ±50ppm or ±25ppm Maximum
Output Voltage Logic High (V_{OH})		-1.0V _{DC} Minimum / -0.7V _{DC} Maximum
Output Voltage Logic Low (V_{OL})		-1.95V _{DC} Minimum / -1.6V _{DC} Maximum
Duty Cycle	at 50% of Waveform	50 ±10(%)
Rise Time / Fall Time	20% to 80% of Waveform	2 nSeconds Maximum
Load Drive Capability		50 Ohms into -2.0V _{DC}

MANUFACTURER ECLIPTEK CORP.	CATEGORY OSCILLATOR	SERIES E11	PACKAGE 14 pin DIP	VOLTAGE -5.2V	CLASS OS03	REV. DATE 03/02
--------------------------------	------------------------	---------------	-----------------------	------------------	---------------	--------------------

PART NUMBERING GUIDE

E11 00 AB ET C - 64.000M - G

FREQUENCY TOLERANCE / STABILITY

00=±100ppm Maximum (Standard)
 45=±50ppm Maximum
 25=±25ppm Maximum

PIN CONFIGURATION

AA, AB, or AM
 Per Table 1

OPERATING TEMP. RANGE

Blank=0°C to 70°C (Standard)
 ET=-40°C to 85°C

AVAILABLE OPTIONS

Blank=None (Standard)
 CLXXX=Custom Lead Length (See Page 133)
 G=Full Size Gull Wing (See Page 132)

FREQUENCY

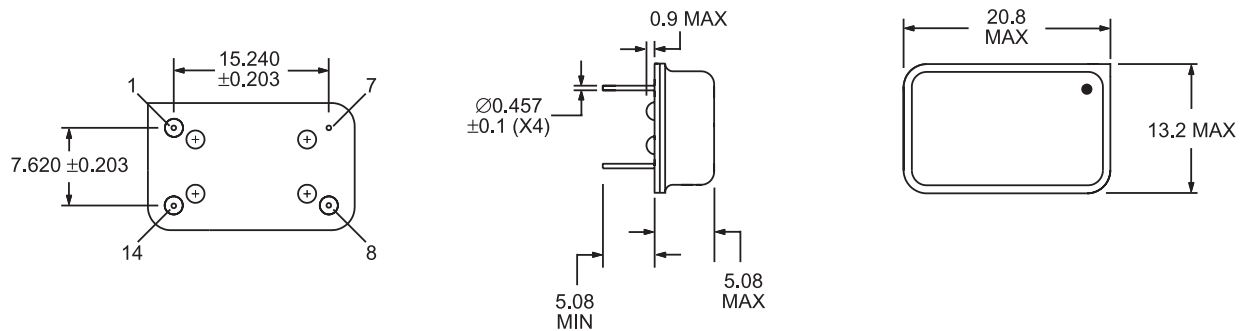
ADDITIONAL OUTPUT

Blank=None (No Connection on Pin 1)
 C=Complimentary Output

TABLE 1: AVAILABLE PIN CONFIGURATIONS

Pin	AA	AB	AM
1	Case Ground	No Connect or Complimentary Output	No Connect or Complimentary Output
7	-5.2V	-5.2V	Case Ground
8	Output	Output	Output
14	Ground	Case Ground	-5.2V _{DC}

MECHANICAL DIMENSIONS ALL DIMENSIONS IN MILLIMETERS



ENVIRONMENTAL/MECHANICAL SPECIFICATIONS

Characteristic	Specification
Seal Integrity	Bubble test in Perfluorocarbon at +125°C ±5°C for 60 seconds minimum.
Solderability	Sn63 Solder dip at +230°C ±5°C for 5 seconds/95% coverage.
Marking Permanency	10 Strokes with brush after 1 minute soak in solvent, 3 times.
Shock	Random drop on hard wooden plate 3 times from a height of 20cm.
Vibration	Frequency with an amplitude of 1.5mm sweeping between 10Hz to 55Hz within 1 minute (approximately) for 2 hours minimum on each axis (X, Y and Z) for a total of 6 hours.

MARKING SPECIFICATIONS

Line 1: ECLIPTEK
 Line 2: E11 **AB C**
 Additional Output
 Blank = None (No Connect on Pin 1)
 C = Complimentary Output
 Pin Configuration Code
 AA, AB, or AM per Table 1
 of E11 Series Specification
 Line 3: **XXX.XXX M**
 Frequency in MHz (6 Digits Maximum + Decimal)
 Line 4: **XX Y ZZ**
 Week of Year
 Last Digit of Year
 Ecliptek Manufacturing Identifier

Note: Pin 1 shall be designated with a dot

MANUFACTURER	CATEGORY	SERIES	PACKAGE	VOLTAGE	CLASS	REV. DATE
ECLIPTEK CORP.	OSCILLATOR	E11	14 pin DIP	-5.2V	OS03	03/02