

Marketing Bulletin

DATE: December 27th, 2006

TO: All Sales Personnel

FROM: Mark Stoner

RE: Product Termination

To all concerned parties,

This bulletin is to notify all customers of the discontinuation of the following Ecliptek series effective December 27th, 2006:

SeriesDescriptionRecommended ReplacementEC165V 14 pin DIP OscillatorEB51F3 or EB51F5

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 March 31st, 2007, with delivery to conclude by June 30th 2007.

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

Vice President of Marketing

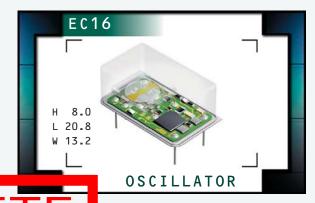
Mark W Simer

Ecliptek Corporation

EC16 Series

- RoHS Compliant (Pb-free)
- HCMOS/TTL output
- 5.0V supply voltage
- 14 pin DIP package
- Stability to ±5ppm
- Custom lead length, gull wing option





ELECTRICAL SPECIFICATION BSOLE

Frequency Range (MHz)		1.000MHz to 46.000MHz		
Operating Temperature Range		Per Table 1		
Storage Temperature Range		-55°C to 125°C		
Supply Voltage (V _{DD})		5.0V _{DC} ±10%		
Input Current	1.000MHz to 20.000MHz	15mA Maximum		
	20.001MHz to 46.000MHz	40mA Maximum		
Frequency Tolerance / Stability	vs. Operating Temperature Range	Per Table 1		
	vs. Input Voltage ($V_{DD} \pm 5\%$)	±2.0ppm Maximum		
	vs. Load (±2pF ±1TTL)	±1.0ppm Maximum		
Internal Trim (Top of Can)		±5ppm Minimum		
Output Voltage Logic High (V _{OH})	w/TTL Load	2.4V _{DC} Minimum	$I_{0H} = -16 \text{mA}$	
	w/HCMOS Load	V_{DD} -0.5 V_{DC} Minimum	$I_{\text{OH}} = -16\text{mA}$	
Output Voltage Logic Low (V _{OL})	w/TTL Load	0.4 V _{DC} Maximum	$I_{0L} = +16 \text{mA}$	
	w/HCMOS Load	0.5V _{DC} Maximum	$I_{0L} = +16mA$	
Rise Time / Fall Time	at 50% of Waveform w/HCMOS Load or	6 nSeconds Maximum		
	at 1.4V _{DC} w/TTL Load			
Duty Cycle	at 1.4V _{DC} w/HCMOS Load or w/TTL Load	50 ±10(%) (Standard)		
	10% to 90% of Waveform w/HCMOS Load			
	or $0.4V_{DC}$ to $2.4V_{DC}$ w/TTL Load	50 ±5(%) (Optional)		
Load Drive Capability		10TTL Load or 50pF HCMOS Load		
Tri-State Input Voltage	V _{IH} : No Connection	Enables Output		
	V_{IH} : \geq 2.2 V_{DC}	Enables Output		
	V_{IL} : $\leq 0.8 V_{DC}$	Disables Output: High Impedance		
Aging (at 25°C)		±1ppm/year Maximum		
Start Up Time		10 mSeconds Maximum		
Period Jitter: Absolute		±100pSeconds Maximum		
Period Jitter: One Sigma	e Sigma		±25pSeconds Maximum	

PACKAGE

14 pin DIP

0S34 08/06 www.DataSheet4U.com

CLASS

SERIES

CATEGORY

OSCILLATOR

MANUFACTURER

ECLIPTEK CORP.

V O L T A G E

PART NUMBERING GUIDE

EC16 07 A R T TS - 24.000M - CL125

FREQUENCY STABILITY

2 Digit Code Per Table 1

OPERATING TEMPERATURE RANGE

1 Letter Code Per Table 1

INTERNAL TRIM OPTIONS

Blank=No Internal Trim R=±5ppm Minimum (Top of Can)

DUTY CYCLE

www.DataSheet4U.com

Blank=50 ±10(%) (Standard) $T=50 \pm 5(\%)$

AVAILABLE OPTIONS

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

FREQUENCY

OUTPUT CONTROL FUNCTION

TS=Tri-State Enable High

TABLE 1: PART NUMBERING CODES Frequency Stability Temperature Range X = Availability with Internal Trim Option "Blank" Y = Availability with Internal Trim Option "R" ±5ppm ±7ppm ±10ppm ±15ppm ±20ppm Code 05 07 15 20 10 Υ 0°C to +50°C Α X, Y X, Y X, Y X, Y Operating -10°C to +60°C В X, Y X, Y X, Y X, Y -20°C to +70°C С X, Y X, Y X, Y -40°C to +85°C X, Y

