

Marketing Bulletin

DATE: September 20th, 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 September 20th, 2006:

Series Description Recommended Replacement

EC14 5V 4 pad SMD Plastic Oscillator EP14 or EH14

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 September 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

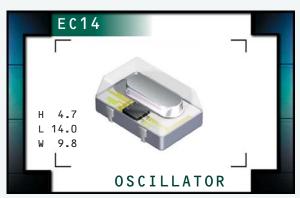
Mark W Somer

Ecliptek Corporation

EC14 Series

- Plastic surface mount package
- 5.0V supply voltage
- HCMOS/TTL output
- Stability to ±50ppm
- Available on tape and reel





OBSOLETE

ELECTRICAL SPECIFICATION.

Frequency Range (MHz)		1.000MHz to 66.667MHz	
Operating Temperature Range		0°C to 70°C or -40°C to 85°C (≤30.000MHz)	
Storage Temperature Range		-55°C to 125°C	
Supply Voltage (V _{DD})		5.0V _{DC} ±10%	
Frequency Tolerance / Stability*	Inclusive of Operating Temperature Range,	±100ppm Maximum or	
	Supply Voltage, and Load	±50ppm Maximum (0°C to 70°C Only)	
Input Current	≤30.000MHz	23mA Maximum (Unloaded)	
	30.001MHz to 50.000MHz	35mA Maximum (Unloaded)	
	>50.000MHz	50mA Maximum (Unloaded)	
Load Drive Capability	≤53.125MHz	10TTL Load or 50pF HCMOS Load	
	>53.125MHz	15pF HCMOS Load	
Output Voltage Logic High (V _{OH})	w/TTL Load	2.4V _{DC} Minimum	$I_{OH} = -16 \text{mA}$
	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	0.4V _{DC} Maximum	$I_{0L} = +16 \text{mA}$
	w/HCMOS Load	0.5V _{DC} Maximum	$I_{0L} = +16 \text{mA}$
Duty Cycle	at 50% of waveform w/HCMOS Load at 1.4V $_{ m DC}$ w/TTL Load	50 ±10(%) (Standard)	
	at 1.4V _{DC} w/HCMOS Load or w/TTL Load	50 ±5(%) (Optional)	
Rise Time / Fall Time	20% to 80% of waveform w/HCMOS Load;	8 nSeconds Maximum	
	$0.4V_{DC}$ to $2.4V_{DC}$ w/TTL Load		
Aging (at 25°C)		±5ppm/year Maximum	
Tri-State Input Voltage	No Connection	Enables Output	
	V_{IH} : \geq 2.0 V_{DC}	Enables Output	
	$V_{IL} : \leq 0.8 V_{DC}$	Disables Output: High Impedance	
Start Up Time	1.000MHz to 26.000MHz	4 mSeconds Maximum	
	26.001MHz to 66.667MHz	10 mSeconds Maximum	
Period Jitter: Absolute		±100pSeconds Maximum	
Period Jitter: One Sigma		±25pSeconds Maximum	

PACKAGE PLASTIC

SERIES EC14

CATEGORY OSCILLATOR

MANUFACTURER ECLIPTEK CORP. CLASS OS33 REV = DATE 08/06

VOLTAGE 5.0V

