

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:

SeriesDescriptionEC145V 4 pad SMD Plastic Oscillator

Recommended Replacement 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,

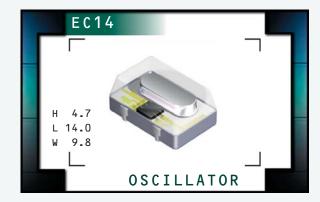
Mark W Summer

Mark W. Stoner Vice President of Marketing Ecliptek Corporation

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 SPECIFICATIONS

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 Voltag	e (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		<u>≤</u> 53.125MHz			10TTL Load or 50pF HCMOS Load	
		>53.125MHz			15pF HCMOS Load	
Output Voltage Logic High (V _{0H})		w/TTL Load			2.4V _{DC} Minimum	$I_{0H} = -16mA$
		w/HCMOS Load			V _{DD} -0.5V _{DC} Minimum	$I_{OH} = -16 \text{mA}$
Output Voltage Logic Low (V _{0L})		w/TTL Load			0.4V _{DC} Maximum	$I_{0L} = +16mA$
		w/HCMOS Load			0.5V _{DC} Maximum	$I_{0L} = +16mA$
Duty Cycle		at 50% of waveform w/HCMOS Load at 1.4V $_{\rm DC}$ w/TTL Load			50 ±10(%) (Standard)	
		at $1.4V_{\text{DC}}$ 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	
		$0.4V_{\text{DC}}$ to $2.4V_{\text{DC}}$ w/	TTL Load			
Aging (at 25°	°C)				±5ppm / year Maximum	
Tri-State Input Voltage		No Connection			Enables Output	
		$V_{IH}:\geq 2.0V_{DC}$			Enables Output	
		$V_{IL}:\leq 0.8V_{DC}$			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			ım
MANUFACTURER ECLIPTEK CORP.	CATEGORY OSCILLATOR	SERIES EC14	PACKAGE PLASTIC	VOLTAGE 5.0V	CLASS OS33	REV - DATE 08/06

