

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:

Series Description Recommended Replacement

EC20 3.3V 14 pin DIP Oscillator EB52F3 or EB52F5

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 Somer

Ecliptek Corporation

EC20 Series

- RoHS Compliant (Pb-free)
- HCMOS output
- 3.3V supply voltage
- 14 pin DIP package
- Stability to ±5ppm
- Custom lead length, gull wing options available





OBSOLETE

ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	1.000MHz to 50.000MHz			
Operating Temperature Range	Per Table 1			
Storage Temperature Range	-55°C to 125°C			
Supply Voltage (V _{DD})	3.3V _{DC} ±10%			
Input Current	1.000MHz to 20.000MHz	10mA Maximum 20mA Maximum		
	20.001MHz to 50.000MHz			
Frequency Tolerance / Stability	vs. Operating Temperature Range	Per Table 1		
	vs. Input Voltage (V _{DD} ±5%)	±2.0ppm Maximum		
	vs. Load (±2pF)	±1.0ppm Maximum		
Internal Trim (Top of Can)		±5ppm Minimum		
Output Voltage Logic High (V _{OH})	w/HCMOS Load	$I_{OH} = -8mA$		
Output Voltage Logic Low (V _{oL})	w/HCMOS Load	$0.5V_{DC}$ Maximum $I_{OL} = +8mA$		
Rise Time / Fall Time	10% to 90% of Waveform ≤ 20.000MHz	10 nSeconds Maximum 6 nSeconds Maximum		
	10% to 90% of Waveform > 20.000MHz			
Duty Cycle	at 50% of Waveform	50 ±10(%) (Standard) or 50 ±5(%) (Optional)		
Load Drive Capability		15pF HCMOS Load		
Tri-State Input Voltage	V _{IH} : No Connection	Enables Output		
	V _{IH} :≥2.2V _{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	±25pSeconds Maximum			

MANUFACTURER	CATEGORY	SERIES	PACKAGE	VOLTAGE	CLASS	REV - DATE
ECLIPTEK CORP.	OSCILLATOR	EC20	14 pin DIP	3.3V	0S61	08/06

PART NUMBERING GUIDE

EC20 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

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)

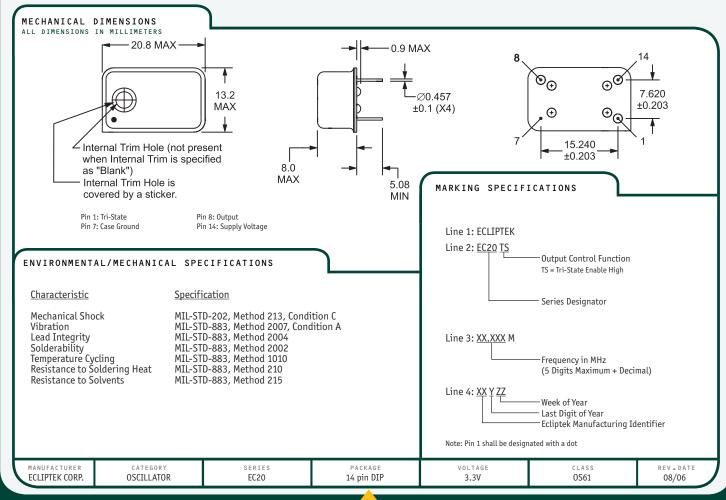
FREQUENCY

X, Y

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