

Marketing Bulletin

- **DATE:** January 1st, 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 January 1st, 2006:

Series	Description	Recommended Replacement
EB13C8	3.3V 5 x 7mm SMD Oscillator	EC26

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 April 1st, 2006, with delivery to conclude by July 1st 2006.

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 Somer

Mark W. Stoner Director of Marketing Ecliptek Corporation

EB13C8 Series

- RoHS Compliant (Pb-Free)
- Low Jitter
- Ceramic SMD package
- 3.3V supply voltage
- LVHCMOS
- Stability to 20ppm
- Standby Function
- Available in tube or tape and reel



OBSOLETE

ELECTRICAL SPECIFICATIONS

Not available with ±20ppm option 19.440MHz to 35.000MHz 35.001MHz to 70.000MHz 70.001MHz to 125.000MHz 125.001MHz to 156.250MHz Inclusive of all conditions: Calibra Frequency Stability over the Oper Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration 20% to 80% of Waveform w/15pF	ation Tolerance at 25°C, ating Temperature Range,	0°C to 70°C -40°C to 85°C -55°C to 125°C 3.3V _{DC} ±10% 10mA Maximum 20mA Maximum 40mA Maximum 60mA Maximum ±100ppm, ±50ppm, ±25ppm or ±20ppm Maximum 90% of V _{DD} Min. I _{OH} =-8mA
19.440MHz to 35.000MHz 35.001MHz to 70.000MHz 70.001MHz to 125.000MHz 125.001MHz to 156.250MHz Inclusive of all conditions: Calibra Frequency Stability over the Oper Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration	ation Tolerance at 25°C, ating Temperature Range,	-40°C to 85°C -55°C to 125°C 3.3V _{DC} ±10% 10mA Maximum 20mA Maximum 40mA Maximum 60mA Maximum ±100ppm, ±50ppm, ±25ppm or ±20ppm Maximum 90% of V _{DD} Min. I _{OH} =-8mA
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70.001MHz to 125.000MHz 125.001MHz to 156.250MHz Inclusive of all conditions: Calibra Frequency Stability over the Oper- Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration 20% to 80% of Waveform w/15pF	ating Temperature Range,	40mA Maximum 60mA Maximum ±100ppm, ±50ppm, ±25ppm or ±20ppm Maximum 90% of V _{DD} Min. I _{OH} =-8mA
125.001MHz to 156.250MHz Inclusive of all conditions: Calibra Frequency Stability over the Oper- Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration	ating Temperature Range,	60mA Maximum ±100ppm, ±50ppm, ±25ppm or ±20ppm Maximum 90% of V _{DD} Min. I _{OH} =-8mA
Inclusive of all conditions: Calibra Frequency Stability over the Oper Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration 20% to 80% of Waveform w/15pF	ating Temperature Range,	±100ppm, ±50ppm, ±25ppm or ±20ppm Maximum 90% of V _{DD} Min. I _{OH} =-8mA
Frequency Stability over the Oper- Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration	ating Temperature Range,	± 20 ppm Maximum 90% of V _{DD} Min. I _{OH} = -8mA
Supply Voltage Change, Output Lo at 25°C, Shock, and Vibration 20% to 80% of Waveform w/15pF		90% of V _{DD} Min. I _{OH} = -8mA
at 25°C, Shock, and Vibration 20% to 80% of Waveform w/15pF	oad Change, First Year Aging	
20% to 80% of Waveform w/15pF		
		10% of V_{DD} Max. I_{0L} = +8mA
	HCMOS Load from 19.440MHz to 35.000MHz	
20% to 80% of Waveform w/30pF	HCMOS Load from 19.440MHz to 35.000MHz	z 7 nSec Maximum
20% to 80% of Waveform w/HCM0	OS Load from 35.001MHz to 50.000MHz	5 nSec Maximum
	OS Load from 50.001MHz to 80.000MHz	4 nSec Maximum
20% to 80% of Waveform w/HCM0	OS Load from 80.001MHz to 125.000MHz	2 nSec Maximum
20% to 80% of Waveform w/HCMC	OS Load from 125.009MHz to 156.250MHz	1 nSec Maximum
at 50% of Waveform		50 ±10(%)
at 50% of Waveform ≤ 125.000MH	Iz	50 ±5(%)
at 50% of waveform, at 25°C, at 3	.3Vdc > 125.000MHz	50 ±5(%)
≤ 35.000MHz		30pF HCMOS Load Maximum
> 35.001MHz		15pF HCMOS Load Maximum
No Connection		Enables Output
V_{IH} : \geq 70% of V_{DD}		Enables Output
V_{IL} : \leq 30% of V_{DD}		Disables Output: High Impedance
Disabled Output: High Impedance	2	10µA Maximum
		10 mSec Maximum
19.440 MHz to 40.000 MHz , $F_{J} = 12$	kHz to 20MHz	5 pSec Maximum
40.001MHz to 70.000MHz, $F_{J} = 12$	kHz to 20MHz	3 pSec Maximum
70.001MHz to 156.250MHz, $F_{J} = 1$	2kHz to 20MHz	1 pSec Maximum
SERIES	PACKAGE VOLTAGE	CLASS REV DATE
ÉB13C8	CERAMIC 3.3V	052H 04/05
	20% to 80% of Waveform w/HCMC 20% to 80% of Waveform w/HCMC at 50% of Waveform ≤ 125.000 MH at 50% of Waveform ≤ 125.000 MH at 50% of Waveform, at 25°C, at 3 ≤ 35.000 MHz > 35.001 MHz No Connection $V_{IH} :\geq 70\%$ of V_{DD} $V_{II} :\leq 30\%$ of V_{DD} Disabled Output: High Impedance 19.440 MHz to 40.000 MHz, $F_3 = 12$ 40.001 MHz to 70.000 MHz, $F_3 = 12$ 70.001 MHz to 156.250 MHz, $F_3 = 12$	20% to 80% of Waveform w/HCMOS Load from 80.001MHz to 125.000MHz 20% to 80% of Waveform w/HCMOS Load from 125.009MHz to 156.250MHz at 50% of Waveform \leq 125.000MHz at 50% of Waveform, at 25°C, at 3.3Vdc > 125.000MHz \leq 35.000MHz \geq 35.001MHz No Connection $V_{\rm IH} \geq$ 70% of $V_{\rm DD}$ $V_{\rm II} \leq$ 30% of $V_{\rm DD}$ $V_{\rm II} \leq$ 30% of $V_{\rm DD}$ Disabled Output: High Impedance 19.440MHz to 40.000MHz, $F_{\rm J} = 12$ kHz to 20MHz 40.001MHz to 70.000MHz, $F_{\rm J} = 12$ kHz to 20MHz 70.001MHz to 156.250MHz, $F_{\rm J} = 12$ kHz to 20MHz

