

# **Marketing Bulletin**

- DATE: August 25<sup>th</sup>, 2005
- 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 August 25<sup>th</sup>, 2005:

Series	Description	<b>Recommended Replacement</b>
E31W2	5V 6 pad SMD LVPECL VCXO	E32D1
E32W2	3.3V 6 pad SMD LVPECL VCXO	E32D1

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 November 25<sup>th</sup>, 2005, with delivery to conclude by February 25<sup>th</sup> 2006.

If there are any questions pertaining to this bulletin, please fell free to contact me. Thank you again for your cooperation.

Best Regards,

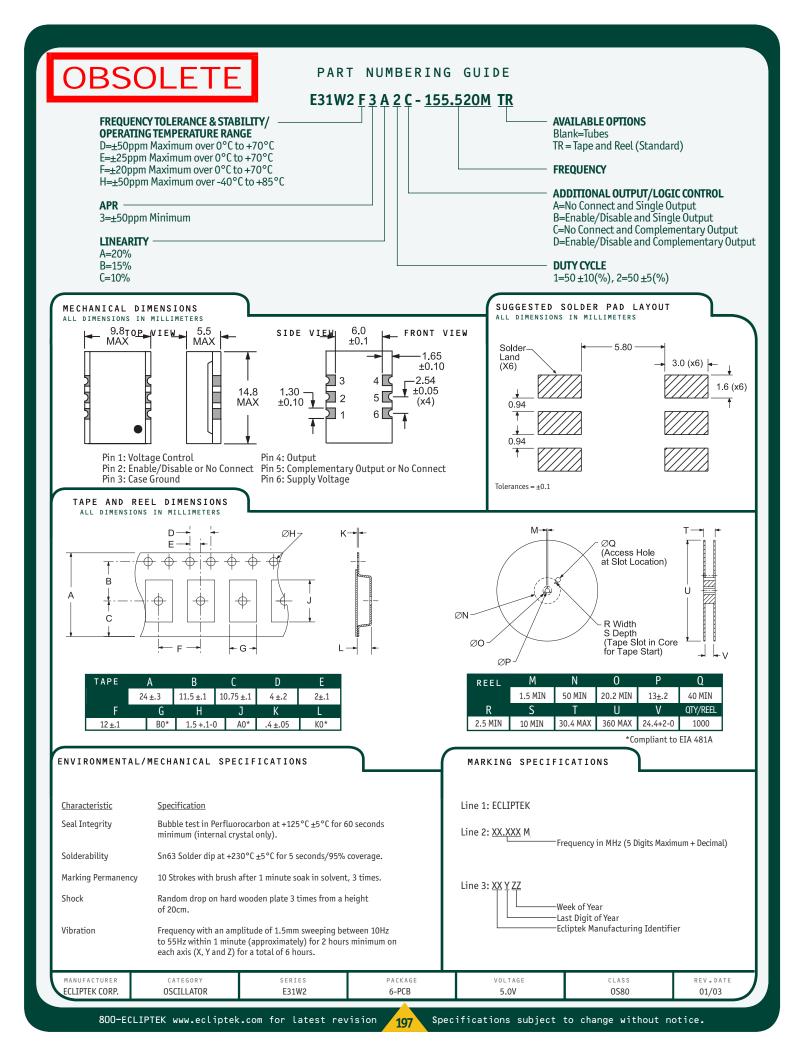
Mark W Sumer

Mark W. Stoner Director of Marketing Ecliptek Corporation

#### CLIPT **E31W2 Series** DRPORAT E31W2 • PECL Output VCXO • 5.0V supply voltage • 6 pad PCB SMD package • Stability to 20ppm 5.5 Н L 14.8 Output \_nable/Disable available \_ 9.8 W Output walable F Complementary Availal o on Tano an OSCILLATOR

## ELECTRICAL SPECIFICATIONS

Frequency Range				19.440MHz to 212.500M	··-=	
Operating Temperature Range				0°C to 70°C or -40°C to 8	35°C	
Storage Temperature Range				-55°C to 125°C		
Supply Voltage (V <sub>cc</sub> )				5.0V <sub>DC</sub> ±5%		
Input Current				100mA Maximum	)	
Logic Type				100KH		
Frequency Tolerance / Stability	Inclusive of	of Operating Temp Ran	±50ppm, ±25ppm, or			
	Load, and	Aging @25°C over 10	years	±20ppm Maximum	J	
Output Voltage Logic High (V <sub>OH</sub> )				$V_{cc}$ -1.025 $V_{Dc}$ Minimum		
Output Voltage Logic Low (V <sub>0L</sub> )				V <sub>cc</sub> -1.620V <sub>DC</sub> Maximum		
Rise Time / Fall Time	20% to 80	% of waveform		2 nSeconds Maximum		
Duty Cycle	at 50% of	at 50% of waveform		50 ±10(%)		
				50 ±5(%)		
Load Drive Capability				50 Ohms into $V_{cc}$ -2.0 $V_{pc}$		
Additional Output / Logic Control				No Connect and Single Output		
				Enable/Disable and Single (	Dutput	
				No Connect and Complemen	tary Output or	
				Enable/Disable and Comple	mentary Output	
Enable/Disable Input Voltage	V <sub>IL</sub> of V <sub>CC</sub> -1	$V_{IL}$ of $V_{CC}$ -1.475 $V_{DC}$ Maximum		Enables Output		
	No Connec	tion	Enables Output			
	$V_{IH}$ of $V_{CC}$ -1	.165V <sub>DC</sub> Minimum		Disables Output: Logic Lo	)W	
				Disables Complementary Ou	tput: Logic High	
Start Up Time			10 mSeconds Maximum			
RMS Phase Jitter	FJ = 12kH:	z to 20MHz	1 pSec Maximum			
Absolute Pull Range (APR)	Inclusive of	Inclusive of Operating Temp Range, Supply Voltage,		±50ppm Minimum		
	Load, and	Aging @25°C over 10	years			
Linearity			20%, 15%, or 10% Maximum			
Control Voltage (V <sub>c</sub> ): Test Conditions for APR				2.5V <sub>DC</sub> ±2.0V <sub>DC</sub>		
Control Voltage Range (V <sub>CR</sub> )			$0.0V_{DC}$ to $V_{CC}$			
Center Control Voltage			2.5V <sub>DC</sub>			
Transfer Function				Positive Transfer Charact	eristic	
Input Impedance				50k0hms Typical		
Modulation Bandwidth	at -3dB wi	th Control Voltage of +	10kHz Minimum			
MANUFACTURER CATEGORY	SERIES	PACKAGE	VOLTAGE	CLASS	REV DATE	
ECLIPTEK CORP. OSCILLATOR	E31J2	6-PCB	5.0V	0\$80	01/03	



#### CLIPT **E32W2 Series** DRPORAT E32W2 • PECL Output VCXO • 3.3V supply voltage • 6 pad PCB SMD package • Stability to 20nnm Н 5.5 • Out ut Enable/Disable available L 14.8 9.8 W • Complementary Oupput available Ava OSCILLATOR

## ELECTRICAL SPECIFICATIONS

Frequency Rai					19.440MHz to 212.500MH	lz	
Operating Ten	nperature Range				0°C to 70°C or -40°C to 8	5°C	
Storage Temp	erature Range				-55°C to 125°C	]	
Supply Voltag	e (V <sub>cc</sub> )				3.3V <sub>DC</sub> ±5%		
Input Current					75mA Maximum	]	
Logic Type					100KH		
Frequency Tol	erance / Stability	Inclusive o	f Operating Temp Rang	±50ppm, ±25ppm, or			
		Load, and	Aging @25°C over 10	years	±20ppm Maximum		
Output Voltag	ge Logic High (V <sub>oH</sub> )				$V_{cc}$ -1.025 $V_{Dc}$ Minimum		
Output Voltag	ge Logic Low (V <sub>oL</sub> )				$V_{CC}$ -1.620 $V_{DC}$ Maximum		
Rise Time / Fa	all Time	20% to 809	% of waveform		2 nSeconds Maximum		
Duty Cycle		at 50% of v	at 50% of waveform		50 ±10(%)		
					50 ±5(%)		
Load Drive Ca	pability				50 Ohms into $V_{CC}$ -2.0 $V_{DC}$		
Additional Output / Logic Control					No Connect and Single Output		
					Enable/Disable and Single O	utput	
					No Connect and Complement	tary Output or	
					Enable/Disable and Compler	nentary Output	
Enable/Disable Input Voltage		$V_{IL}$ of $V_{CC}$ -1.	$V_{IL}$ of $V_{CC}$ -1.475 $V_{DC}$ Maximum		Enables Output		
		No Connec	tion	Enables Output			
		$V_{IH}$ of $V_{CC}$ -1	.165V <sub>DC</sub> Minimum		Disables Output: Logic Lo	W	
					Disables Complementary Ou	tput: Logic High	
Start Up Time				10 mSeconds Maximum			
RMS Phase Jit	tter	FJ = 12kHz	to 20MHz	1 pSec Maximum			
Absolute Pull Range (APR)		Inclusive o	Inclusive of Operating Temp Range, Supply Voltage,		±50ppm Minimum		
		Load, and	Aging @25°C over 10	years			
Linearity				20%, 15%, or 10% Maximum			
Control Voltage (V <sub>c</sub> ): Test Conditions for APR				1.65V <sub>DC</sub> ±1.35V <sub>DC</sub>			
Control Voltage Range (V <sub>cr</sub> )			$0.0V_{DC}$ to $V_{CC}$				
Center Control Voltage			1.65V <sub>DC</sub>				
Transfer Function				Positive Transfer Characte	eristic		
Input Impedance				50k0hms Typical			
Modulation Bandwidth		at -3dB wit	h Control Voltage of +	10kHz Minimum			
MANUFACTURER	CATEGORY	SERIES	PACKAGE	VOLTAGE	CLASS OS79	REV _ DATE	

