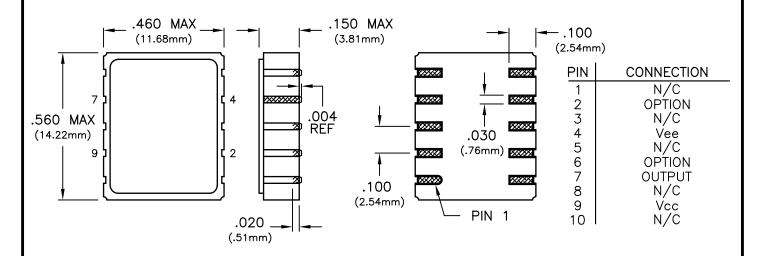


# CRYSTAL CONTROLLED OSCILLATORS

AURORA, IL 60505 PHONE (630) 851-4722 FAX (630) 851-5040 www.conwin.com

### SURFACE MOUNT ECL OSCILLATORS

SPECIFI	CATIONS		EH91-51*	EH91-52*	EH91-53*	EH91-54*		
Frequency Range			13MHz to 300MHz					
			±25ppm	±50ppm	±100ppm	±20ppm		
Frequency Stability			(Inclusive of calibration tolerance at 25°C, operating temperature range, input voltage change, load change, aging, shock and vibration)					
Temperature Range			0°C to +70°C					
	Waveform		ECL Squarewave, 10K Compatible					
	Voltage	Voh	_	-1.02 Minimum , -0.735 Maximum				
	_	Vol -1.95 Minimum , -1.60 Maximum						
0	Duty Cycle		45/55 Maximum measured at 50% level					
Output $\frac{\text{Buty Gyele}}{\text{Rise/Fall Time}}$			2.3nS Maximum					
Outpu				Output must be terminated into 50 ohms to —2Vdc referenced to Vcc				
Supply Voltage			-5.2Vdc ±5%					
Supply	Current		85mA Maximum					
Package			Hermetically sealed, leadless ceramic package					
		0	Pin 2 and Pin 6	: No Connection				
		1	Pin 6: Complementary Output , Pin 2: No Connection					
	* tter to end	2	Pin 2: Enable/Disable , Pin 6: No Connection Enable; Low Level, Vil (-1.60V Max) , Disable; High Level, Vih (-1.02V Mi NOTE: When oscillator is disabled the output is in a low state (Vol)					
of model number)			Pin 2: Complementary Output , Pin 6: No Connection					
		4	Pin 6: Complementary Output , Pin 2: Enable/Disable Pin 6 Disables to low state (Vol), Pin 7 Disables to high state (Voh)					



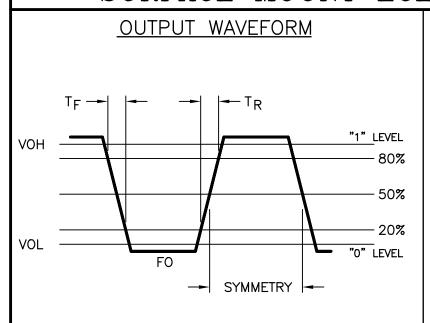
BULLETIN #: EC080	<sub>REV:</sub> 03	Specifications	subject	to change	without notice.	C−W © 1999
1 0					Dimensional	Tolerance: ±.02"
PAGE I OF Z	<sub>DATE:</sub> <u>9/21/99</u>	ISSUED BY: _				±.005"

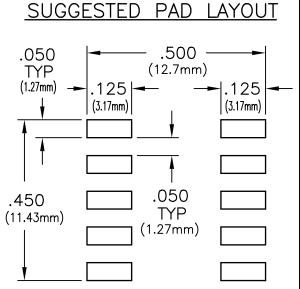


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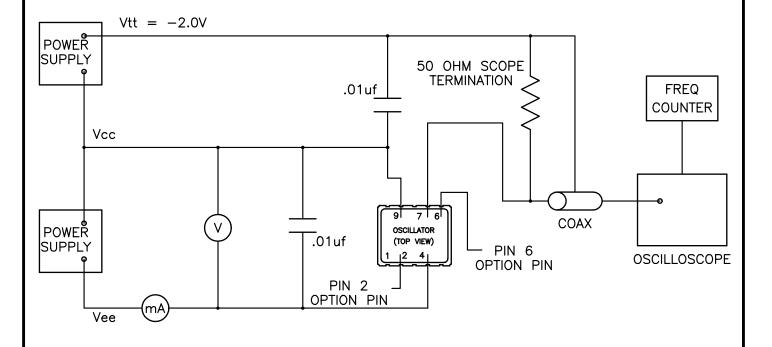
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### SURFACE MOUNT ECL OSCILLATOR





#### **TEST CIRCUIT**



ISSUED BY: \_\_\_\_

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PAGE _	2	OF	2	

REV:	03_
DATE:	9/21/99

Specifications	subject	to	change	without	notice.	C−W © 1999
				Di	mensional	Tolerance: ±.02"

±.005