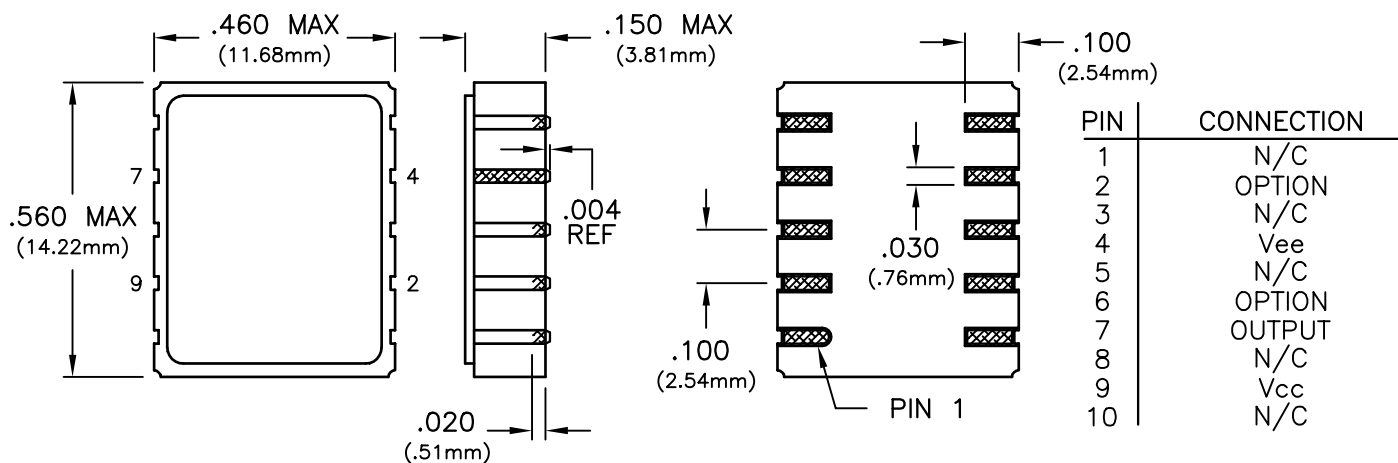


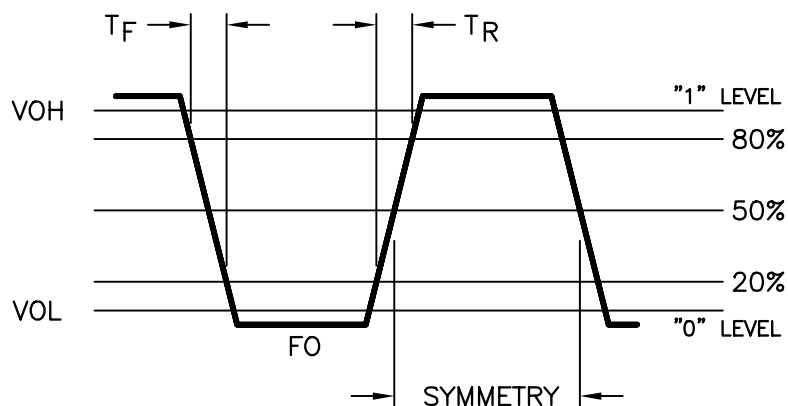
## SURFACE MOUNT ECL OSCILLATORS

SPECIFICATIONS		EH91-51*	EH91-52*	EH91-53*	EH91-54*
Frequency Range		13MHz to 300MHz			
Frequency Stability		±25ppm	±50ppm	±100ppm	±20ppm
		(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			
Output	Waveform	ECL Squarewave, 10K Compatible			
	Voltage Voh	-1.02 Minimum , -0.735 Maximum			
	Vol	-1.95 Minimum , -1.60 Maximum			
	Duty Cycle	45/55 Maximum measured at 50% level			
	Rise/Fall Time	2.3nS Maximum			
		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			
Options *	0	Pin 2 and Pin 6: No Connection			
	1	Pin 6: Complementary Output , Pin 2: No Connection			
	2	Pin 2: Enable/Disable , Pin 6: No Connection Enable; Low Level, Vil (-1.60V Max) , Disable; High Level, Vih (-1.02V Min) NOTE: When oscillator is disabled the output is in a low state (Vol)			
	3	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)			

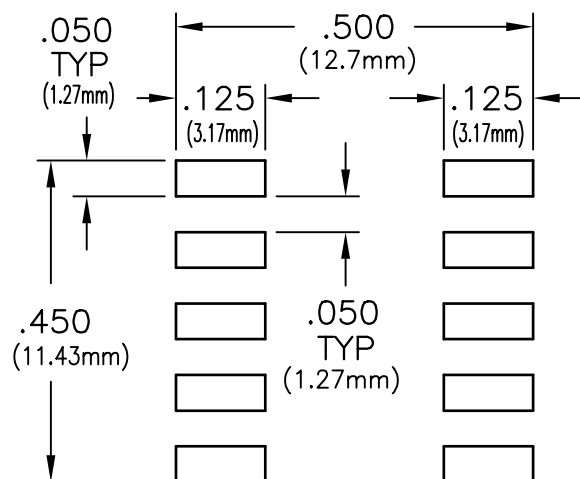


## SURFACE MOUNT ECL OSCILLATOR

### OUTPUT WAVEFORM



### SUGGESTED PAD LAYOUT



### TEST CIRCUIT

