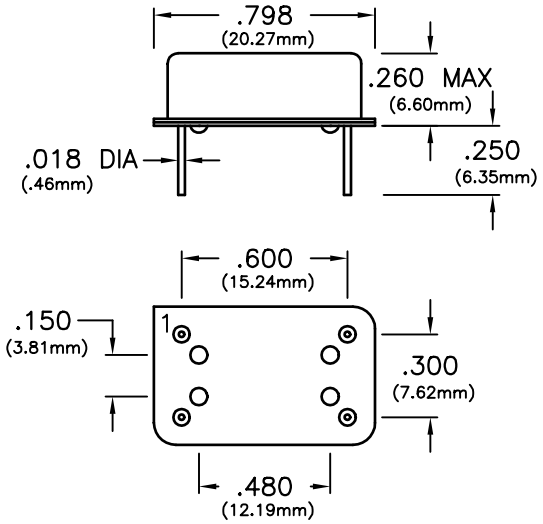
CONNOR–WINFIELD CORPORATION

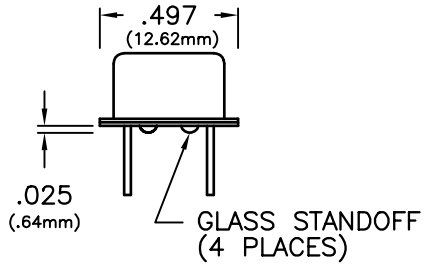
AURORA, IL. 60505
PHONE (630) 851–4722
FAX (630) 851–5040

14 PIN DIP ECL

SPECIFICATIONS			E01–51*	E01–52*	E01–53*	E01–54*
Frequency Range			10MHz to 400MHz			
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, 100K Compatible			
	Voltage	Voh	−1.025 Minimum , −0.88 Maximum			
		Vol	−1.81 Minimum , −1.62 Maximum			
	Duty Cycle		45/55 Maximum measured at 50% level			
	Rise/Fall Time		1.5nS Maximum			
	Jitter		10pS rms Maximum			
			Output must be terminated into 50 ohms to −2Vdc referenced to Vcc			
Supply Voltage			−5.2Vdc ±5%			
Supply Current			85mA Maximum			
Package			All metal, hermetically sealed, welded package			

Options * (add letter to end of model number)		
	0	Pin 1: No Connection
	1	Pin 1: Complementary Output
	2	Pin 1: Enable/Disable 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)





PIN	CONNECTION
1	OPTION
7	Vee
8	OUTPUT
14	Vcc (CASE GROUND)

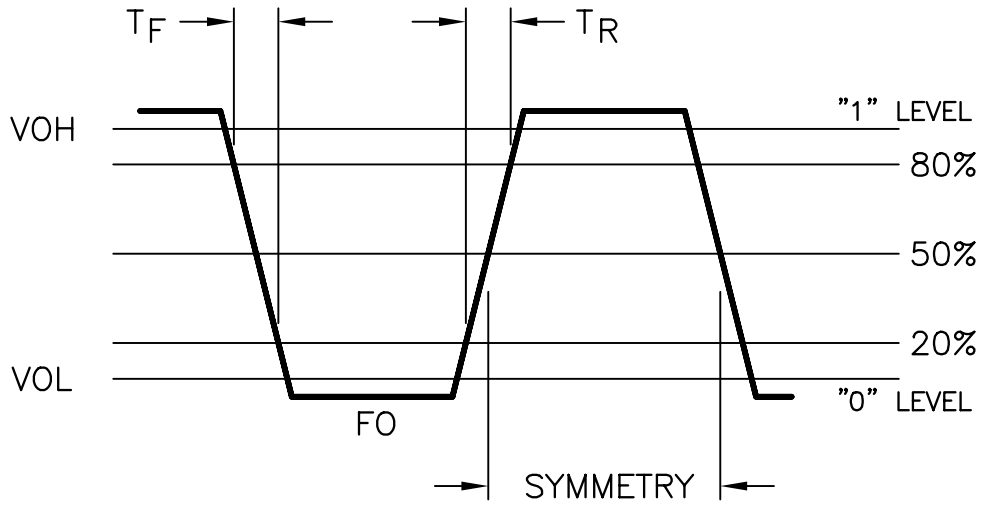
Dimensional Tolerance ±.005

Specifications subject to change without notice

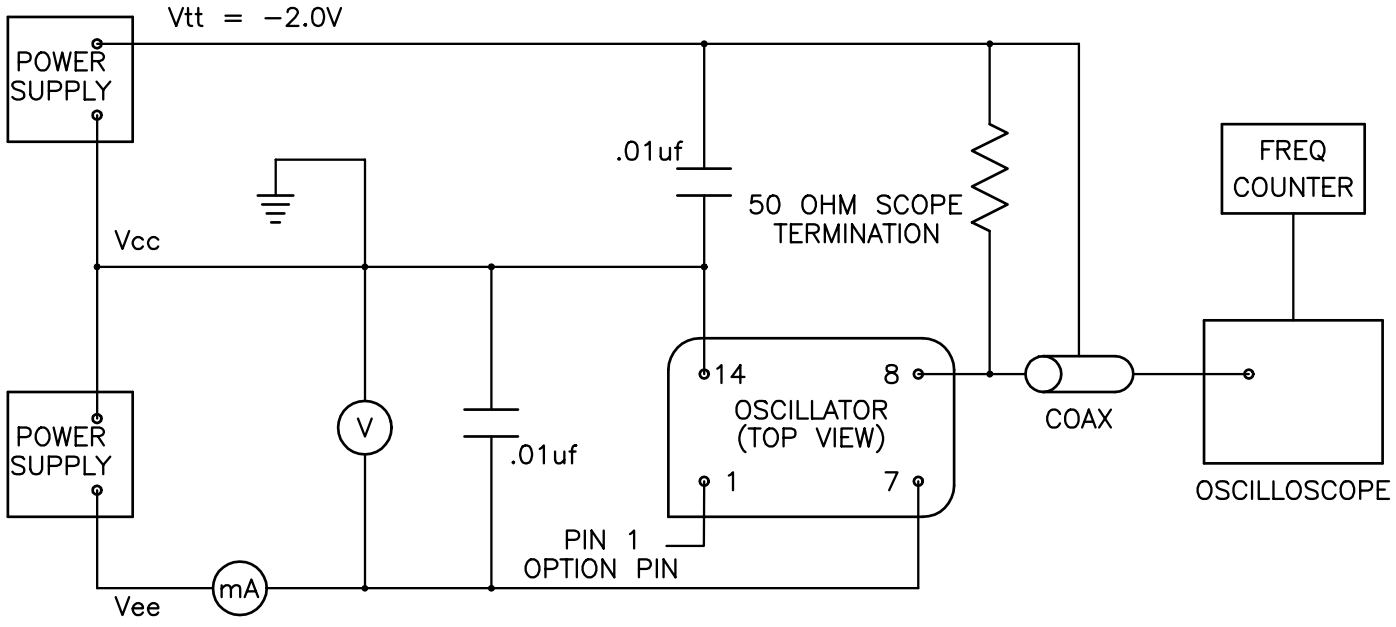
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OUTPUT WAVEFORM



TEST CIRCUIT



Specifications subject to change without notice

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