CONNOR–WINFIELD CORPORATION

AURORA, IL. 60505
PHONE (630) 851–4722
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HCMOS SM CLOCK WITH ENABLE/DISABLE

SURFACE MOUNT 6–PIN

SPECIFICATIONS			MSD511	MSD521	MSD531	MSD541
Frequency Range			2MHz to 67MHz	2MHz to 115MHz		2MHz to 67MHz
Frequency Stability			±25ppm	±50ppm	±100ppm	±20ppm
			(Inclusive of calibration tolerance at 25°C and operating temperature range, input voltage change, aging, shock and vibration)			
Temperature Range			0°C to +70°C			
Output	Waveform		HCMOS Squarewave			
	Load		50pF Maximum			
	Voltage	Voh	Vcc – .5V Minimum			
		Vol	0.40V Maximum			
	Current	Ioh	–16mA			
		Iol	16mA			
	Duty Cycle		45/55 Maximum Measured at 50% of Vdd			
	Rise/Fall Time		3nS Typical			
	Jitter		5pS RMS Maximum			
Input	Enable/Disable		Pin 1			
	Output Enable/ Disable Time		100nS			
	Enable Vih		2.0V Minimum			
	Disable		0.5V Maximum			
			Oscillator output is enabled with no connection on pin 1			
Start Up Time			10mS Maximum			
Supply Voltage (Vdd)			5.0Vdc ±10%			
Supply Current			50mA Maximum			
Package			Hermetically sealed, leadless ceramic package			

EXAMPLE MODEL NUMBER:

M S D 5 1 1 / 4 7 . 7 6 M H z

- M S D 5 1 1 — SURFACE MOUNT HCMOS SERIES
- 1 — LEAD OPTION
- 4 7 . 7 6 M H z — CENTER FREQUENCY

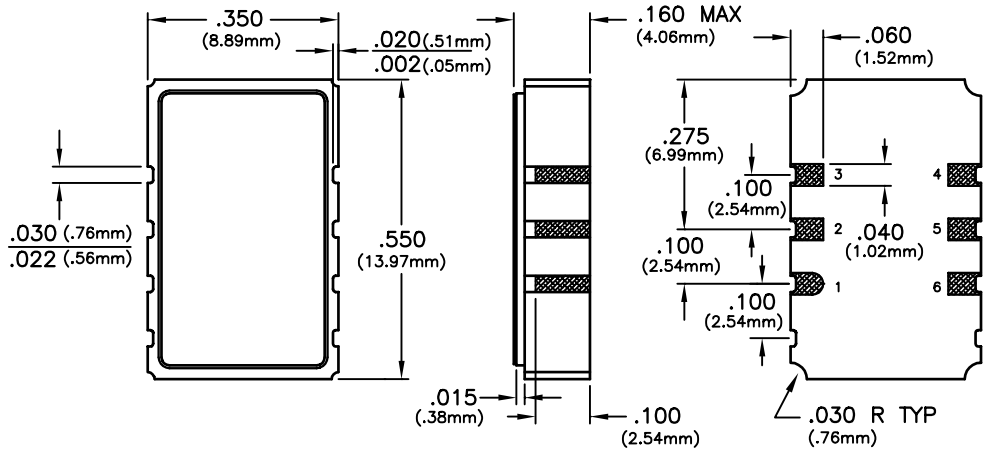
Specifications subject to change without notice

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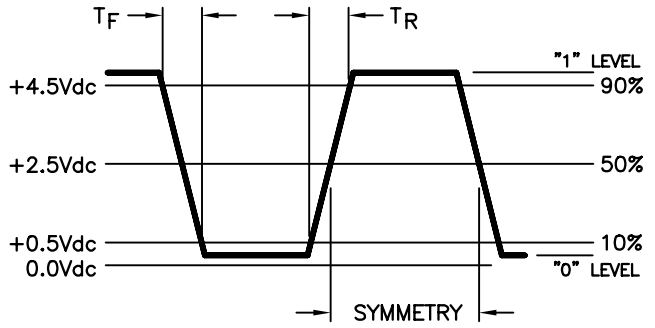
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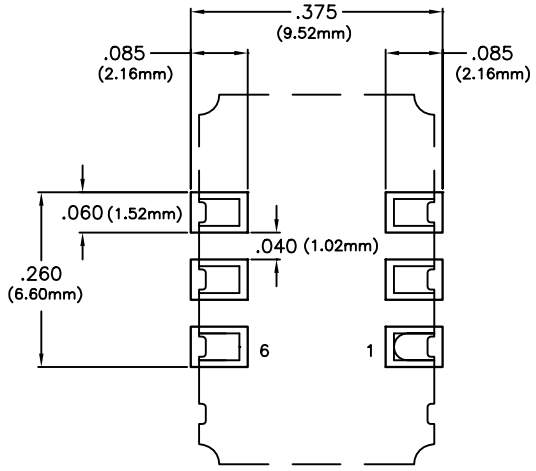


PIN	CONNECTION
1	E/D TRI–STATE
2	N/C
3	GROUND
4	OUTPUT
5	N/C
6	Vcc

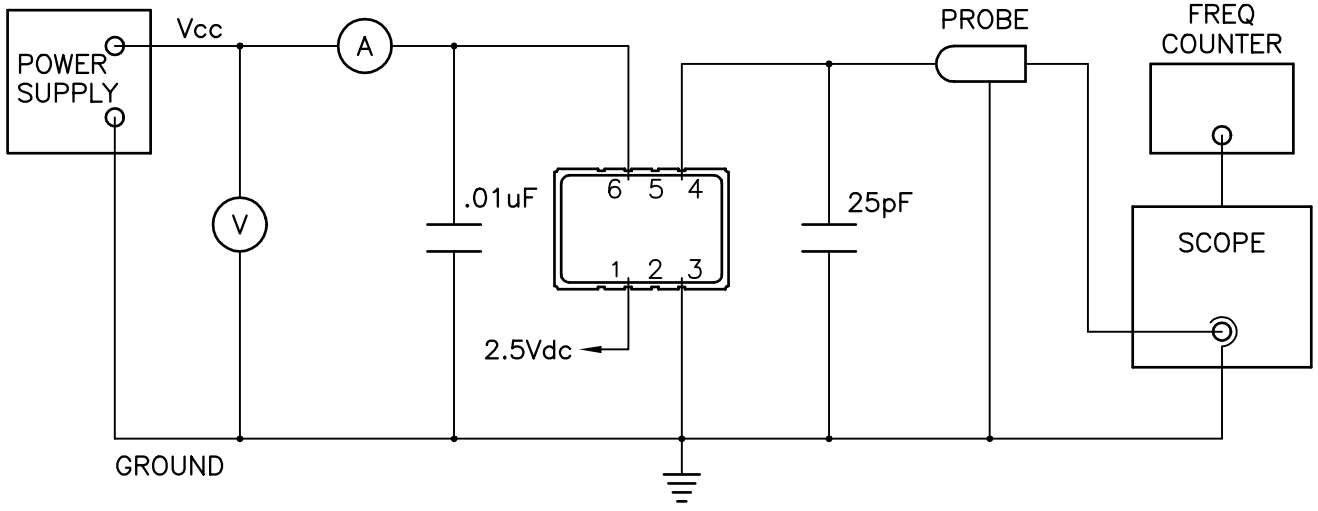
OUTPUT WAVEFORM



SUGGESTED PAD LAYOUT



TEST CIRCUIT



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BULLETIN #: HC171	REV: 01		Dimensional Tolerance: ±.02" ±.005"
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