



CONNOR-WINFIELD CORPORATION

AURORA, IL. 60505

PHONE (630) 851-4722

FAX (630) 851-5040

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

SURFACE MOUNT
HCMOS SERIES

LEAD
OPTION

CENTER FREQUENCY

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Specifications subject to change without notice

BULLETIN #: HC171

REV: 01

Dimensional Tolerance: ±.02"

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DATE: 1/14/99

ISSUED BY: _____

±.005"
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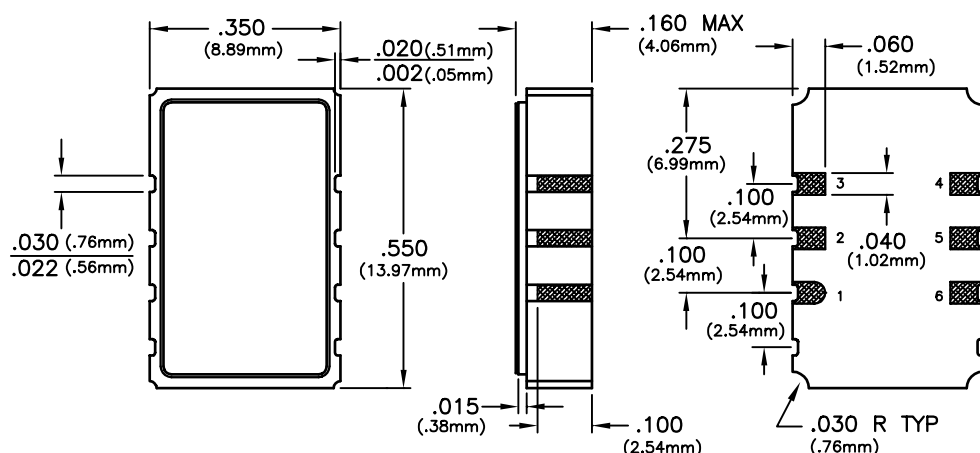


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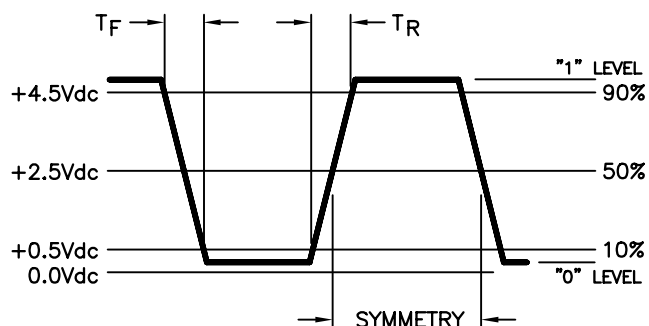
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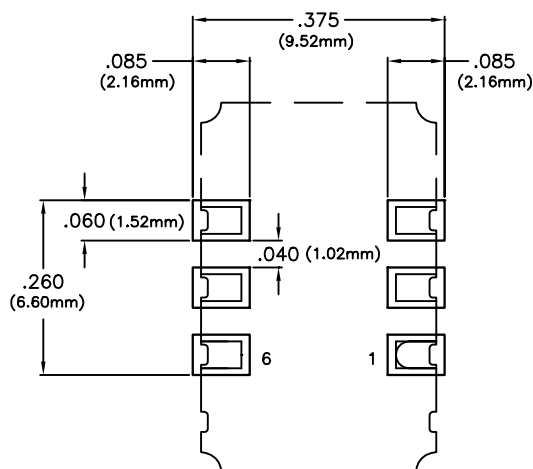


PIN	CONNECTION
1	E/D TRI-STATE
2	N/C
3	GROUND
4	OUTPUT
5	N/C
6	Vcc

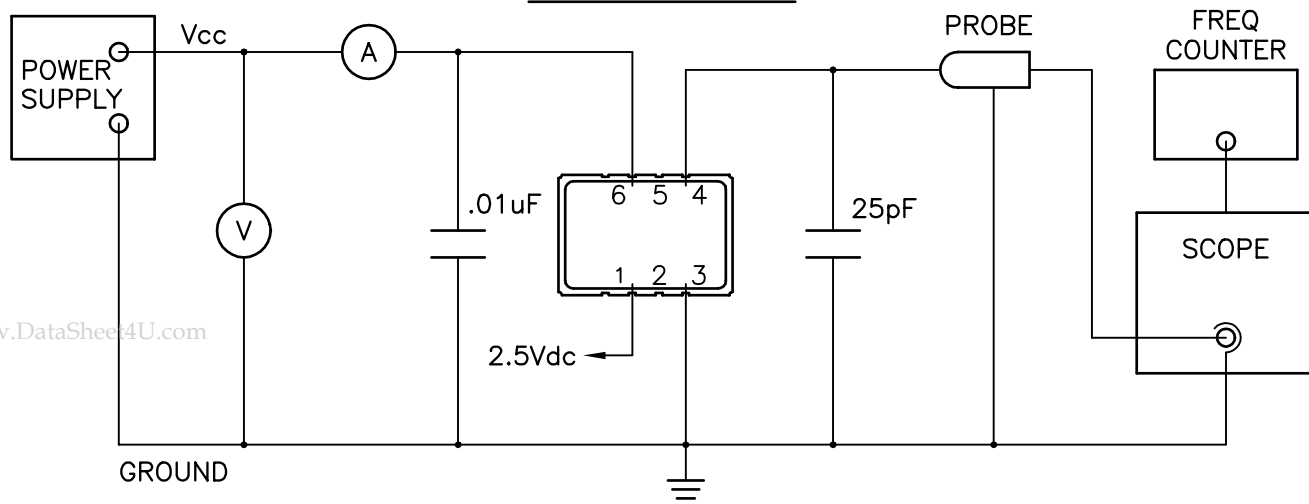
OUTPUT WAVEFORM



SUGGESTED PAD LAYOUT



TEST CIRCUIT



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