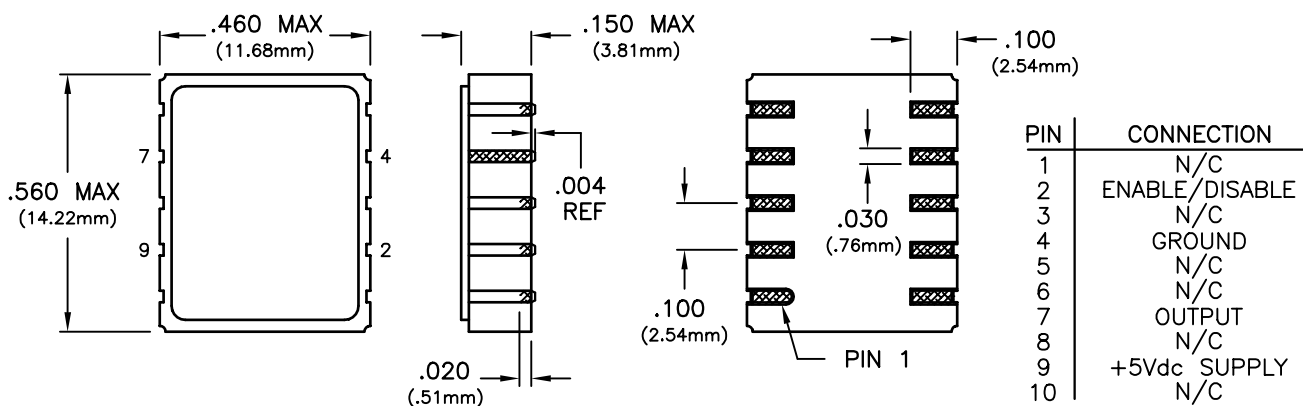


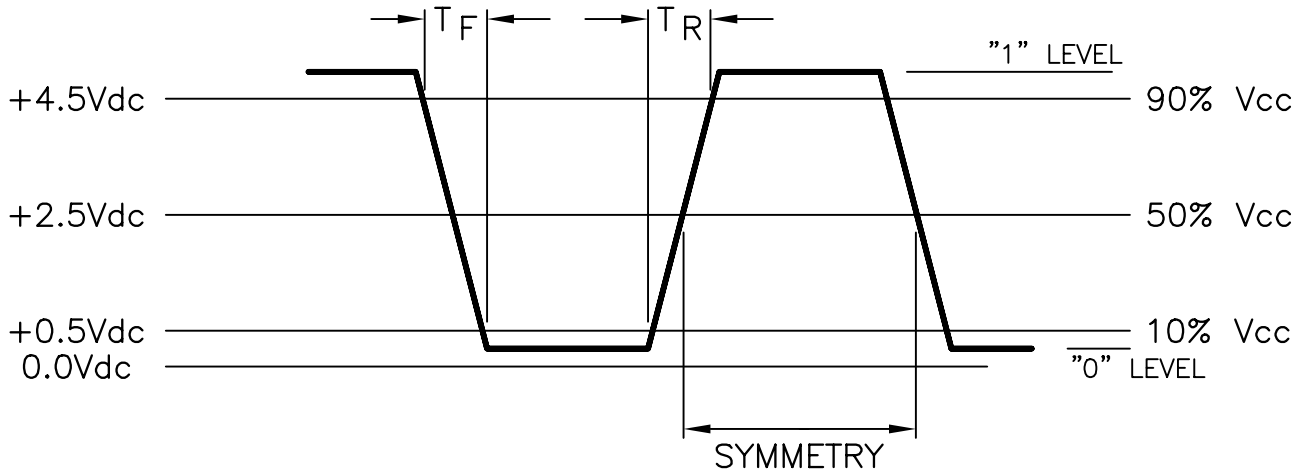
SURFACE MOUNT HCMOS OSCILLATOR

SPECIFICATIONS		SMH524R	
Frequency Range		1.8432MHz to 70MHz	
Frequency Stability		±15ppm <small>(Inclusive of calibration tolerance at 25°C, operating temperature range, input voltage change, load change, aging, shock and vibration)</small>	
Temperature Range		0°C to +70°C	
Waveform		HCMOS Squarewave , TTL Compatible	
Load		HCMOS - 50pF , TTL - 10 TTL	
Output	Voltage	Voh	4.5V Minimum
		Vol	0.5V Maximum
	Current	Ioh	-16mA
		Iol	16mA
Duty Cycle		45/55 Maximum Measured @2.5Vdc	
Rise/Fall Time		7nS Maximum	
Input	Output E/D Time		100nS Maximum
	Enable	(Vih)	2.2V Minimum
	Disable	(Vil)	0.8V Maximum
Oscillator output is enabled with no connection on pin 2			
Start Up Time		10mS Maximum	
Supply Voltage		+5Vdc ±10%	
Supply Current		70mA Maximum	
Package		Hermetically sealed, leadless ceramic package	
Optional Suffix		T	Duty Cycle 45/55 Maximum Measured @1.4Vdc

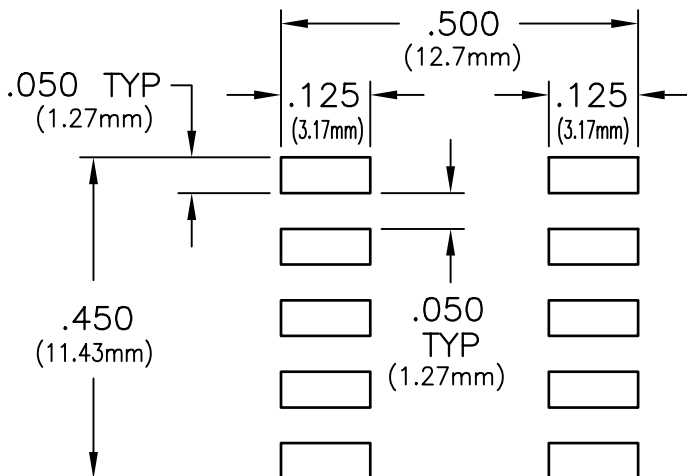
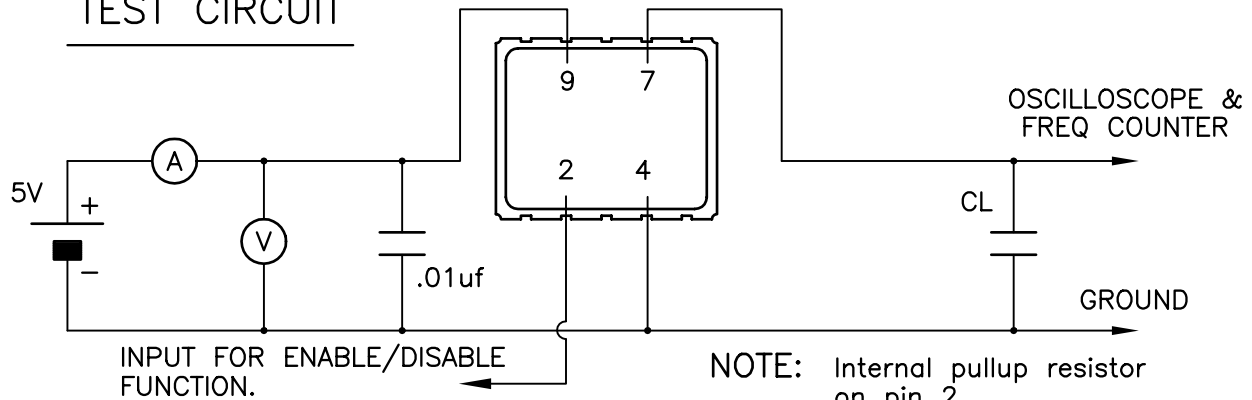


SURFACE MOUNT HCMOS OSCILLATOR

OUTPUT WAVEFORM



TEST CIRCUIT



SUGGESTED PAD LAYOUT