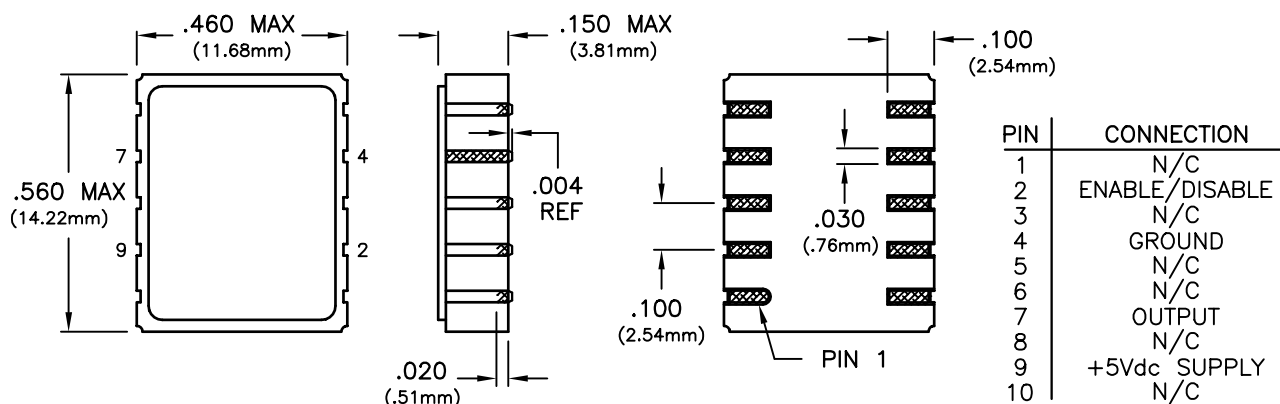


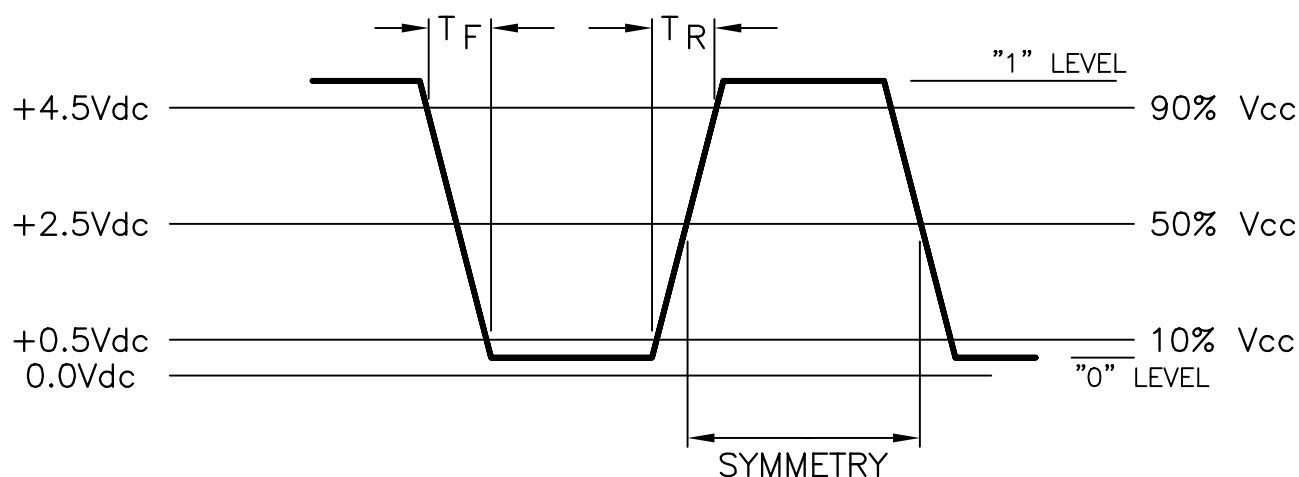
SURFACE MOUNT HCMOS OSCILLATOR

SPECIFICATIONS			SMH51R	SMH52R	SMH53R	SMH54R
Frequency Range			200KHz to 70MHz			
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		HCMOS Squarewave , TTL Compatible			
	Load		HCMOS – 50pF , TTL – 10 TTL			
	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		

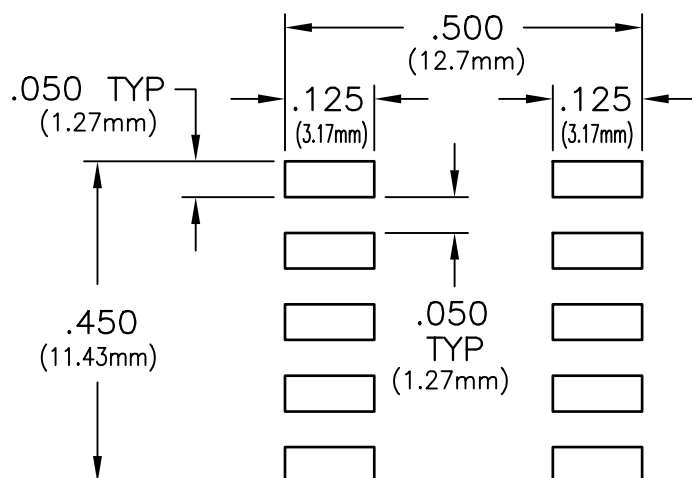
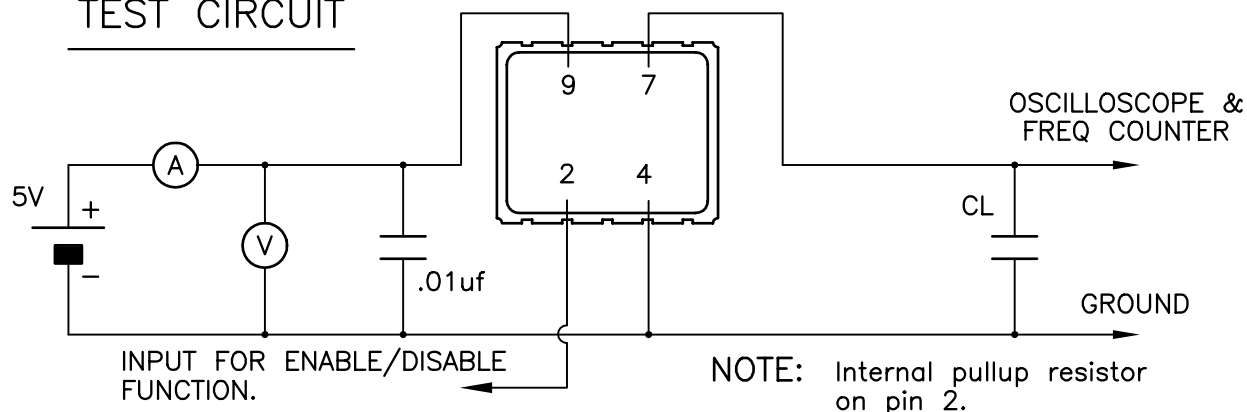


SURFACE MOUNT HCMOS OSCILLATOR

OUTPUT WAVEFORM



TEST CIRCUIT



SUGGESTED PAD LAYOUT