

# LMTC2525 Series Temperature Compensated Crystal Oscillator

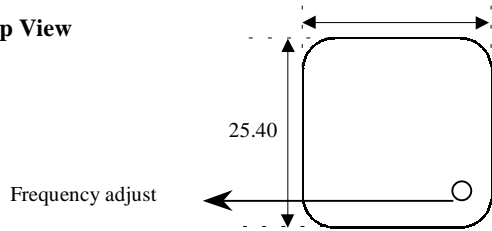
FREQUENCY CHARACTERISTICS	
Nominal Frequency	1 MHz to 120 MHz (HCMOS/TTL)
Frequency at room temperature	±1.0 PPM at 25° C ±2° C
Operating temperature stability	See table below (Stability referring 25°C)
Supply voltage stability	±0.1 PPM/ Volt
Frequency adjustment	Internal Trimmer
Long term aging rate	±1 PPM/year max.

POWER SUPPLY	
Voltage	+5 to 13 V DC (±5%)
Current	20 mA max. < 20 MHz 30 mA max. 20 to 50 MHz 50 mA max. >50 MHz

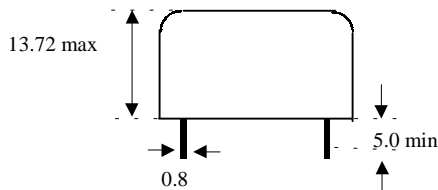
OSCILLATOR OUTPUT		CODE
Output	HCMOS TTL	H T
Rise/Fall times for HCMOS/TTL	10 nS max.	
Duty cycle for HCMOS/TTL	40 to 60%	

## OUTLINE AND PIN CONFIGURATION

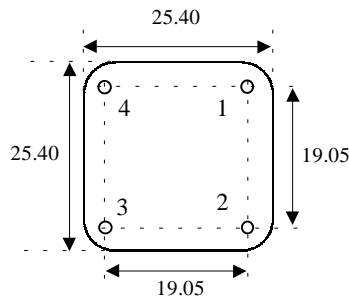
Top View



Side View



Bottom View



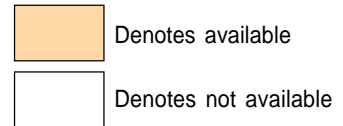
Units in mm

## STABILITY TABLE

Codes	Stability Codes				
	Frequency Stability Range	X ±0.5 PPM	Y ±1.0 PPM	Z ±1.5 PPM	P ±2.0 PPM
A	Temperature Range	0 to +50° C			
B		0 to +60° C			
F		0 to +70° C			
D		-10 to +60° C			
E		-10 to +70° C			
C		-20 to +70° C			
G		-30 to +80° C			
H		-30 to +85° C			

Pin connection

- 1,2 : Ground
- 3 : DC Input
- 4 : Output



## General Electronic Devices

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