

LMTC1025 Series

Temperature Compensated Crystal oscillator

FEATURE

- Wide frequency range
- Compact DIL Package
- Industry standard pin-out
- Custom Options available

Table 1

STABILITY TABLE					
Codes	Stability Codes				
	Frequency Stability	±0.5 PPM	±1.0 PPM	±1.5 PPM	±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			
J		-40 to +85° C			

Table 2

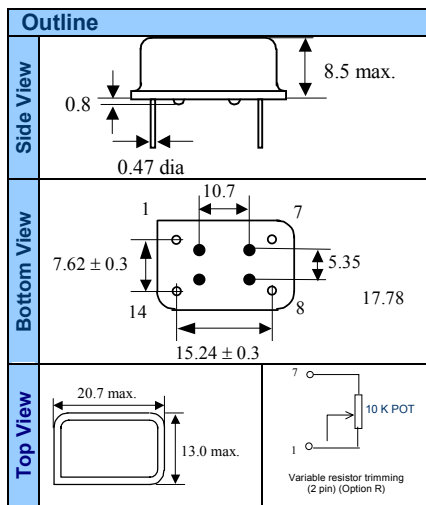
Supply Voltage	3.3V	5V	9V	10V	12V	15V
Code	3	5	9	A	C	F

Pin Connection

PIN	Option N & I	Option V	Option R
1	Not connected	Frequency Adjustment	Variable Resistor
7	Ground	Ground	Ground
8	Output	Output	Output
14	Supply	Supply	Supply

Parameters	Variant		Option Codes
	H	T	
Frequency Range: 1 MHz – 100 MHz	■	■	
Output Drive: 15 pF HCMOS / TTL Other	■ □	■ □	Specify
Logic Levels: '0' = +0.5V max, '1' = +4.0V min '0' = +0.4V max, '1' = +2.4V min	■	■	
Rise / fall time: 10 nS max	■	■	
Waveform symmetry: 40:60 max @ 2.5V 40:60 max @ 1.4V	■	■	
Frequency stability: (Table 1)			
Temperature range: (Table 1)			
Storage temperature range: -55 to +105° C	■	■	
Frequency Vs. supply voltage ±0.1 ppm / V max.	■	■	
Ageing: ±1.0 ppm max per year	■	■	
Supply voltage (V _{DD}): (Table 2) +5.0V (±5%) +5.0V ~ 13V (±5%)	■ □	■ □	Specify
Supply current: 20 mA max (<20.0 MHz) 30 mA max (20.0 ~ 50.0 MHz) 50 mA max (>50 MHz)	■ ■ ■	■ ■ ■	
Frequency adjustment: None ±3 ppm min by internal trimmer ±5 ppm, 2.5V ±2.5 V ±5 ppm by external 2 pin variable resistor	□ □ ■	□ □ ■	N I V R

■ Standard, □ Optional – please specify required code(s) when ordering.



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