

LM1050 Series

Temperature Compensated Crystal Oscillator

FEATURE

- Wide frequency range
- Standard European IEC CO-08 Pin-out
- Custom Options available

Table 1

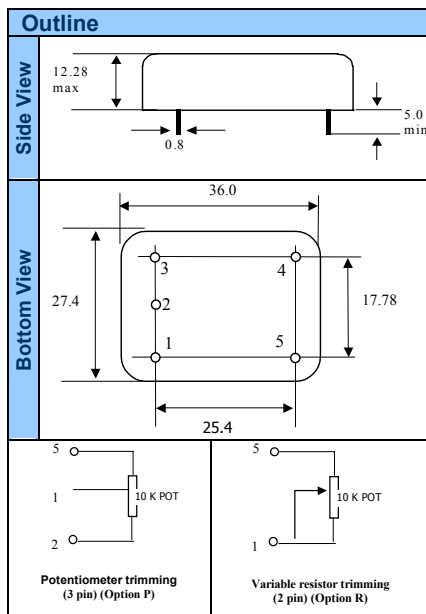
STABILITY TABLE					
Codes	Stability Codes	X	Y	Z	P
	Frequency Stability	±0.5 PPM	±1.0 PPM	±1.5 PPM	±2.0 PPM
A	0 to +50° C				
B	0 to +60° C				
F	0 to +70° C				
D	-10 to +60° C				
E	-10 to +70° C				
C	-20 to +70° C				
G	-30 to +80° C				
H	-30 to +85° C				
J	-40 to +85° C				

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 P	Option R
1	Not Connected	Frequency Adjustment	Frequency Adjustment	Variable Resistor
2	Not Connected	Not Connected	Ref. Voltage out	Not Connected
3	Supply	Supply	Supply	Supply
4	Output	Output	Output	Output
5	Ground	Ground	Ground	Ground



Parameters	Variant			Option Codes
	H	S	T	
Frequency Range: 8 MHz – 100 MHz 1 MHz – 100 MHz	■	■	■	
Output Drive: 15 pF HCMOS / TTL Sinewave (+7dB min into 50Ω) 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%) +12V (±5%) +9.0V ~ 13V (+5%)	■	■	■	Specify
Supply current: 20 mA max (<20.0 MHz) 30 mA max (20.0 ~ 50.0 MHz) 50 mA max (>50 MHz)	■	■	■	Specify
Frequency adjustment: None ±3 ppm min by internal trimmer ±5 ppm, 2.5V ±2.5 V ±5 ppm by external 3 pin potentiometer ±5 ppm by external 2 pin variable resistor	□	□	□	N I V P R

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

General Electronic Devices

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