

LMOC2060 Series

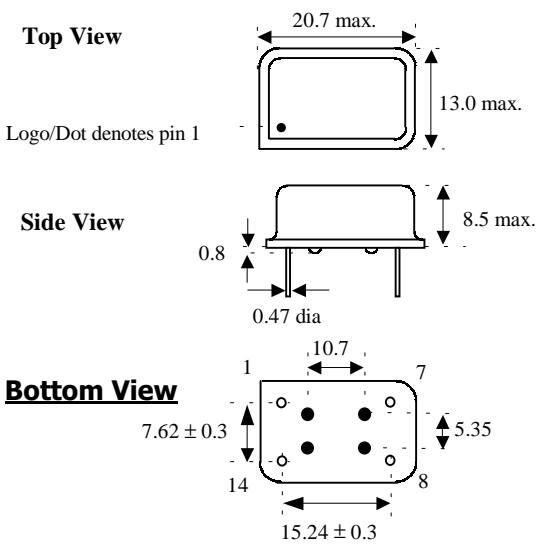
Oven Controlled Crystal Oscillator 14-pin DIP Package

FREQUENCY CHARACTERISTICS	
Nominal Frequency	2 MHz to 30 MHz
Frequency at room temperature	±0.1 PPM at 25° C ±2° C
Operating temperature stability	±2 x 10 ⁻⁷
Operating temperature range	0 to 60° C
Supply voltage stability	<1 x 10 ⁻⁸ per 5%
Frequency adjustment	Option 1 : Control voltage trim Option 2 : External 2 Pin 10K variable resistor
Long term aging rate	±0.1 PPM/Year Max.

POWER SUPPLY	
Voltage	+5 V DC (±5%)
Power consumption	2.5 watts max. at 25°C

OSCILLATOR OUTPUT	CODE	
Output	HCMOS TTL	H T
Rise/Fall times for HCMOS/TTL	15 nS max.	
Duty cycle for HCMOS/TTL	40 to 60%	

OUTLINE AND PIN CONFIGURATION



PHASE NOISE (10 MHz Sine Output)

1 Hz offset	-60 dBc/Hz
10 Hz offset	-90 dBc/Hz
100 Hz offset	-120 dBc/Hz
1 KHz offset	-130 dBc/Hz
10 KHz offset	-135 dBc/Hz

Pin connection

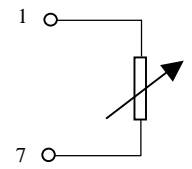
Option : 1

- 1 : Control Voltage
- 7 : Ground
- 8 : Output
- 14 : DC Input

Option : 2

- 1 : 10K one end
- 7 : Ground, 10K other end
- 8 : Output
- 14 : DC Input

10 K Variable Resistor



Units in mm