

LMOC1400 Series

Oven Controlled Crystal Oscillator

- HCMOS Output
- 5.0V Supply Voltage
- Over Temperature Stability down to ± 0.1 ppm
- Wide Temperature Range up to -30°C to 70°C

ELECTRICAL SPECIFICATIONS

Frequency Range		10MHz to 50MHz
Operating Temperature		-0°C to $+70^{\circ}\text{C}$
Power Consumption		3.5W Max
Supply Voltage		$+5.0\text{V}_{\text{DC}} \pm 10\%$
Electrical Frequency Control	Deviation	± 5.0 ppm
	Voltage Range	$+0.5\text{V} - 4.5\text{V}$
	Slope	positive
Duty Cycle		45/55%
Output		HCMOS
Phase Noise		-120 dBc Typ -115 Max
Frequency Stability*	A (10°C to 50°C)	$(\pm 2 \times 10^{-7})$
	B (0°C to 70°C)	$(\pm 2.5 \times 10^{-7})$
	C (-20°C to 70°C)	$(\pm 3.5 \times 10^{-7})$
Aging Rate		± 1 ppm/year

* Tighter Tolerances and Extended Temperature are available. Contact factory.

PART NUMBERING GUIDE

LMOC1400 _ _ - **25.000MHZ**

OCXO Series

Frequency

Pin 1 Option

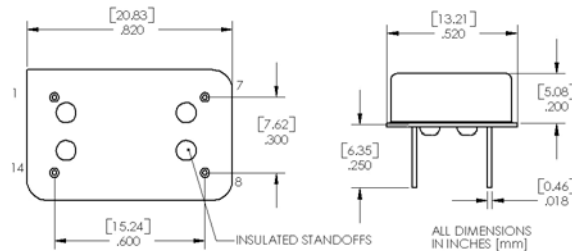
Blank - Pin 1

2 - Pin 2 (in some series)

PIN CONFIGURATION

PIN	FUNCTION
1	EFC
7	Ground
8	Output
14	Supply Voltage

PACKAGE DIMENSIONS



General Electronic Devices

320 So. Pacific St. San Marcos, CA 92069 Tel: (760) 591-4170 Fax: (760) 591-4164 Email: gedlm@4dcomm.com Website: www.gedlm.com