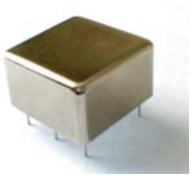
Oven Controlled Crystal Oscillators

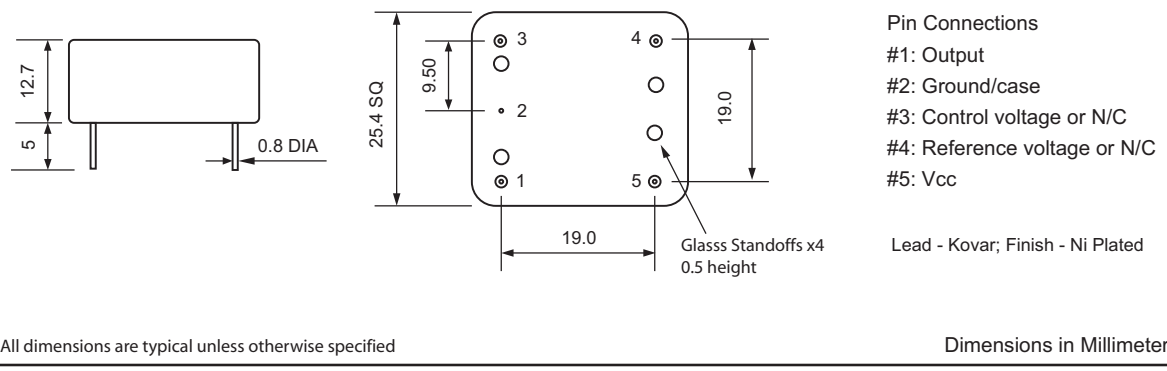


Fortiming P/N: OC25S-100M000-T50BVX-LP2

SPECIFICATIONS

Output Frequency	100.000MHz
Package	25.4 x 25.4 x 12.7 mm metal DIP package
Frequency Stability vs. Temp	50B = ±50 ppb / -40°C to 85°C; ±300 ppb / -55°C to -40°C
Aging (after 30 days)	4E-7 per year
Initial Tolerance	±0.1 ppm Typ, at 25°C, Vc = 4.0 VDC
Frequency vs. Load	±0.02 ppm Typ / ±5% load change
Frequency vs. Voltage	±0.02 ppm/V Typ
Storage Temperature Range	-60°C to 105°C
Phase Noise (Typical)	-100 dBc/Hz @10Hz -135 dBc/Hz @100Hz -155 dBc/Hz @1KHz -165 dBc/Hz @10KHz
G-Sensitivity	±0.002 ppm/G, Worst direction
Inpuy Voltage (Vcc)	T = +12 VDC ± 5%
Input Current (Max)	Steady state: 200 mA Max at 25°C Start-up: 500 mA Max
Reference Voltage	8.5 ± 0.5 VDC
Output Load	50 Ohms
Warm-up Time	3 minutes Maximum, to ±0.1 ppm accuracy
Output Waveform & Level	Sinewave, 10-13 dBm Typ
Harmonic Attenuation	-40 dB Typ, -30 dB Minimum
Spurious Attenuation	-80 dB Typ, -75 dB Minimum
EFC Range	±2 ppm with control voltage Vc = 0V to 8.0V
Linearity / Slope	±10% Maximum of best straight line fit / Positive
EFC Input Impedance	100 kOhms Minimum

OUTLINE DRAWING



www.4timing.com **Tel: 508-281-5980** **Fax: 508-281-5982**