



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

**SPECIFICATIONS**

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

**OUTLINE DRAWING**

