

**Data Sheet: OCXO 16.9344MHz****P/N: C3627-C50D2-16M9344****1 ELECTRICAL SPECIFICATION**

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	16.9344MHz
	Waveform	Square Wave, HCMOS/TTL compatible
	Duty Cycle	45/55@15pF
	VOH	$\geq 3.3V$
	VOL	$\leq 0.3V$
	Rise Time, 10%-90%	$\leq 5\text{ ns}$
	Fall Time, 90%-10%	$\leq 5\text{ ns}$
	Load	15 pF
Frequency Stability	Initial Freq. Tolerance	$\leq \pm 0.1\text{ppm}$ (25°C±5°C)
	Vs. Temperature	$\leq \pm 50\text{ppb}$ (-40°C~+70°C)
	Vs. Load	$\leq \pm 5\text{ppb}$ / Load $\pm 5\%$ (25°C±5°C)
	Vs. Supply Change	$\leq \pm 5\text{ppb}$ / Vcc $\pm 5\%$ (25°C±5°C)
	Vs. Ageing Per Year	$\leq \pm 0.2\text{ppm}$ (After 30 days of operation)
Phase Noise	1Hz	N/A
	10Hz	$\leq -105\text{dBc / Hz}$ (25°C±5°C)
	100Hz	$\leq -135\text{dBc / Hz}$ (25°C±5°C)
	1kHz	$\leq -145\text{dBc / Hz}$ (25°C±5°C)
	10kHz	$\leq -150\text{dBc / Hz}$ (25°C±5°C)
	100kHz	N/A
Frequency Tuning Range		$\geq \pm 1\text{ppm}$
Control Voltage Range		2.5±2.5V (Positive Slope)
Power Supply		12V
Power	Start-up	$\leq 3.0W$
Consumption	Steady	$\leq 1.2W$
Crystal Cutting		SC
Seal		Tin Solder Seal



2. ENVIRONMENTAL CONDITIONS

Operating Temp. Range	-40°C ~ +70°C
Storage temperature	-45°C ~ +80°C
Vibration (non-operating)	GJB360A-96, Method 201 (0.75mm total p-p, 10Hz~55Hz)
Shock (non-operating)	GJB360A-96, Method 213, Condition J (30g, 11ms, half-sine)

3. PACKAGE

