

**Data Sheet: OCXO 10MHz****P/N: C3627-B10B2-10M000****1 ELECTRICAL SPECIFICATION**

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	10 MHz
	Waveform	TTL/CMOS Compatible
	Load	15pF
	Voh	≥ 2.4V
	Vol	≤ 0.4V
	Duty Cycle	45%~55%
Frequency Stability	Initial Freq. Tolerance	± 0.5ppm (2.5V±0.2V, +25°C±5°C)
	Vs. Temperature	± 10ppb (-40°C~+85°C, referred to +25°C)
	Vs. Load Sensitivity	± 1ppb (Max) / 50Ω ± 5%
	Vs. Supply Sensitivity	± 1ppb (Max) / VDC ± 5%
	Vs. Ageing Per Day	± 0.5x10 ⁻⁹ (after 30 working days, typical)
	Vs. Ageing Per Year	± 50x10 ⁻⁹ (after 30 working days, typical)
Phase Noise	10Hz	-120dBc / Hz
	100Hz	-135dBc / Hz
	1kHz	-150dBc / Hz
	10kHz	-155dBc / Hz
Electrical Tuning Range		≥ ± 0.5ppm (0-5V, positive slope)
Frequency Control Input Impedance		≥ 100kΩ
Crystal Type		SC
Input Power	Voltage	+5 VDC ±5%
	Warm-up	≤ 3 Watts for 3 minutes
	Steady at 25°C	≤ 1.2 Watts

2. ENVIRONMENTAL CONDITIONS

Humidity	GJB360A-96, Method 103, Condition A (+40 °C ± 2 °C ; 90%~95%R.H.; non-condensing, 96 hours)
Storage temperature	-55°C~+105°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

