



## Data Sheet: OCXO 19.44MHz

P/N: C2525-B100C2-19M44

### 1. ELECTRICAL SPECIFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	19.44 MHz
	Waveform	Square Wave, HCMOS/TTL compatible
	Duty Cycle	45/55%
	VOH	≥2.4 V
	VOL	≤0.4 V
	Rise Time, 10%-90%	≤6 ns
	Fall Time, 90%-10%	≤6 ns
	Load	15 pF
Frequency Stability	Initial Freq. Tolerance	≤±0.1ppm (25°C±5°C)
	Vs. Temperature	≤±100ppb ( -55°C~+85°C)
	Vs. Load	≤±5ppb / Load ±5% (25°C±5°C)
	Vs. Supply Change	≤±5ppb / Vcc± 5% (25°C±5°C)
	Vs. Ageing Per Year	≤±0.05ppm (After 30 days of operation)
Phase Noise	1Hz	N/A
	10Hz	≤-120dBc / Hz (25°C±5°C)
	100Hz	≤-135dBc / Hz (25°C±5°C)
	1kHz	≤-150dBc / Hz (25°C±5°C)
	10kHz	≤-155dBc / Hz (25°C±5°C)
	100kHz	≤-160dBc / Hz (25°C±5°C)
Frequency Tuning Range		≥0.5ppm
Control Voltage Range		2.5±2.5V
Input Power	Voltage	5V
	Start-up Current	≤600mA
	Steady Current	≤250mA

### 2. ENVIRONMENTAL CONDITIONS

Operating Temp. Range	-55°C~+85°C
Storage temperature	-55°C~+125°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

