



Data Sheet: OCXO 100MHz

P/N: C2113-B100C1-100M000

1. ELECTRICAL SPECIFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	100 MHz
	Waveform	Sine wave
	Level	8±3dBm
	Harmonics	≤-70dBc
	Spurious	≤-30dBc
Frequency Stability	Vs. Temperature	≤±1*10 ⁻⁷ (-40°C- + 85°C@25°C)
	Vs. Load	≤±1*10 ⁻⁸
	Vs. Supply Changes	≤±1*10 ⁻⁸
	Vs. Ageing Per Year	≤±3*10 ⁻⁷ (after 15 working days, typical)
Phase Noise	@10Hz	≤-90dBc/Hz
	@100Hz	≤-120dBc/Hz
	@1kHz	≤-150dBc/Hz
	@10kHz	≤-155dBc/Hz
	@100kHz	≤-160dBc/Hz
Electrical Tuning Range		≥±1*10 ⁻⁶
Frequency Control Input Impedance		100kΩ
Reference Voltage		0-5V
Input Power	Voltage	5.0V
	Warm-up Power	1.5W
	Total Power Typical	0.75W

2. ENVIRONMENTAL CONDITIONS

Storage temperature	-55°C ~ + 85°C
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3. PACKAGE

	Pin	Function
	1	Control Voltage
	7	Ground
	8	Output
	14	Power Supply