



深圳市维创电子技术有限公司

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Data Sheet

Part Number: C2525-A500A1-122M880

1. ELECTRICAL SPECIFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	122.88 MHz
	Waveform	Sine wave
	Level	≥ 7 dBm (@25°C±5°C)
	Harmonics	≤ -35 dBc (@25°C±5°C)
	Spurious	≤ -80 dBc (@25°C±5°C)
	Load	50 Ω
Frequency Stability	Initial Freq. Tolerance	$\leq \pm 0.5$ ppm (@25°C±5°C, 1.65V±0.2V)
	Vs. Temperature	$\leq \pm 500$ ppb (-20°C~+70°C)
	Vs. Load	$\leq \pm 20$ ppb (@25°C±5°C, Load±5%)
	Vs. Supply Changes	$\leq \pm 10$ ppb (@25°C±5°C, Vcc±5%)
	Vs. Ageing Per Year	$\leq \pm 100$ ppb (after 30 working days, typical)
	Vs. Ageing Per Day	$\leq \pm 2$ ppb (after 30 working days, typical)
Phase Noise	10Hz	-85 dBc / Hz
	100Hz	-115 dBc / Hz
	1kHz	-145 dBc / Hz
	10kHz	-155 dBc / Hz
	100kHz	-160 dBc / Hz
Frequency Tuning Range		$\geq \pm 1.5$ ppm
Control Voltage Range		0~3.3 V
Input Power	Voltage	3.3 V
	Start-up Current	≤ 600 mA (@25°C±5°C)
	Steady Current	≤ 300 mA (@25°C±5°C, Still Air)
Outline Dimension		25x25x13 mm (Tolerance $\leq \pm 0.5$)

