



深圳市维创电子技术有限公司

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Data Sheet

Part Number: C2525-A10B1-30M720

1. ELECTRICAL SPECIFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	30.72 MHz
	Waveform	Sine wave
	Level	≥ 7 dBm (@25°C $\pm$ 5°C)
	Harmonics	≤ -35 dBc (@25°C $\pm$ 5°C)
	Spurious	≤ -80 dBc (@25°C $\pm$ 5°C)
	Load	50 Ω
Frequency Stability	Initial Freq. Tolerance	$\leq \pm 0.1$ ppm (@25°C $\pm$ 5°C, 1.65V $\pm$ 0.2V)
	Vs. Temperature	$\leq \pm 10$ ppb (-40°C $\sim$ +85°C)
	Vs. Load	$\leq \pm 20$ ppb (@25°C $\pm$ 5°C, Load $\pm$ 5%)
	Vs. Supply Changes	$\leq \pm 20$ ppb (@25°C $\pm$ 5°C, Vcc $\pm$ 5%)
	Vs. Ageing Per Year	$\leq \pm 50$ ppb (after 30 working days, typical)
	Vs. Ageing Per Day	$\leq \pm 0.5$ ppb (after 30 working days, typical)
Phase Noise	10Hz	-105 dBc / Hz
	100Hz	-135 dBc / Hz
	1kHz	-155 dBc / Hz
	10kHz	-160 dBc / Hz
	100kHz	-165 dBc / Hz
Frequency Tuning Range		$\geq \pm 0.5$ ppm
Control Voltage Range		0~3.3 V
Input Power	Voltage	3.3 V
	Start-up Current	≤ 750 mA (@25°C $\pm$ 5°C)
	Steady Current	≤ 350 mA (@25°C $\pm$ 5°C, Still Air)
Outline Dimension		25x25x13 mm (Tolerance $\leq \pm 0.5$)



2. ENVIRONMENTAL CONDITIONS

Humidity	GJB360A-96, Method 103, Condition A (+40°C $\pm$ 2°C; 90%~95% R.H.; non-condensing, 96 hours)
Operating Temperature Range	-30°C~+60°C
Storage temperature	-40°C~+85°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

Pin Configuration	
Pin 1	Output
Pin 2	Ground, Case
Pin 3	Control Voltage
Pin 4	Vref
Pin 5	Vcc Power Supply

Unit:mm

5 13

5-ø0.8

0.5

25.4 19 9.5 9.5 25.4

1 2 3 4 5