深圳市维创电子技术有限公司
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SPECIFICATION

Part Number: C2020-B200C1-50M000

1. ELECTRICAL SPECFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	50 MHz
	Waveform	Sine Wave
	Level	≥ 7 dBm into 50 Ω (25℃±5℃)
	Harmonics	≤ -30 dBc (25℃±5℃)
	Spurious	≤ -75 dBc (25℃±5℃)
Frequency Stability	Initial Freq. Tolerance	≤ ± 0.1 ppm (2.5V±0.2V，25℃±5℃)`
	Vs. Temperature	± 200 ppb (-55℃~+85℃, Referred to +25℃)
	Vs. Supply Changes	± 20.0 ppb / Vcc ± 5% (25℃±5℃)
	Vs. Load	± 20.0 ppb / 50Ω ± 5% (25℃±5℃)
	Vs. Ageing Per Year	± 0.2 ppm (1st Year After 30 Working Days, Typical)
	Vs. Ageing Per Day	± 2.0 ppb (After 30 Working Days, Typical)
Phase Noise	@10Hz	-95 dBc / Hz (25℃±5℃)
	@100Hz	-125 dBc / Hz (25℃±5℃)
	@1kHz	-150 dBc / Hz (25℃±5℃)
	@10kHz	-160 dBc / Hz (25℃±5℃)
	@100kHz	-165 dBc / Hz (25℃±5℃)
Control Voltage Range		0 ~ +5.0VDC
Electrical Tuning Range		≥ ± 0.5 ppm (Positive Slope)
Operation Temperature Range		-55℃~+85℃
Storage Temperature		-55℃~+125℃
Seal		Tin Solder Seal, Pb Free
Input Power	Voltage	+10 VDC ±5%
	Warm-up Current	≤ 600 mA @25℃±5℃
	Steady Current	≤ 300 mA @25℃±5℃，Still Air

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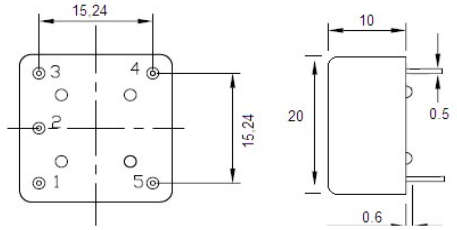
2. ENVIRONMENTAL CONDITIONS

Humidity	GJB360A-96, Method 103, Condition A (+40℃±2℃; 90%~95%R.H.; non-condensing, 96 hours)
Storage temperature	-50℃~+85℃
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	Control Voltage
Pin 2	GND
Pin 3	Output
Pin 4	Power Supply
Pin 5	Reference Voltage