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Data Sheet: OCXO 112MHz

Part Number: C2525-B100D1-112M000

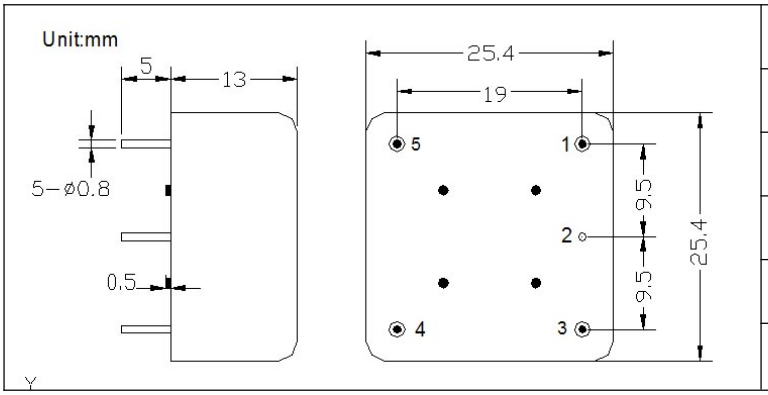
1 ELECTRICAL SPECFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	112 MHz
	Waveform	Sine wave
	Level	≥ 8±2 dBm
	Harmonics	≤ -30 dBc
	Spurious	≤ -75 dBc
Frequency Stability	Vs. Temperature	± 0.1ppm (-40℃~+70℃, referred to +25℃)
	Vs. Load	± 5ppb (Max) / 50Ω ± 5%
	Vs. Supply Changes	± 5ppb (Max) / VDC ± 5%
	Vs. Ageing Per Year	± $0.1x10^{-6}$ (after 30 working days, typical)
Phase Noise	10Hz	-95dBc / Hz
	100Hz	-125dBc / Hz
	1kHz	-160dBc / Hz
	10kHz	-165dBc / Hz
	20kHz	-170dBc / Hz
Electrical Tuning Range		≥ ± 0.5ppm (0-5V, positive slope)
Frequency Control Input Impedance		≥ 100kΩ
Crystal Type		SC
Input Power	Voltage	+5 VDC ±5%
	Warm-up Power	≤ 5 Watts for 3 minutes
	Total Power Typical	≤ 2 Watts at 25℃

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	Output
Pin 2	Ground, Case
Pin 3	Control Voltage
Pin 4	N/A
Pin 5	Vcc Power Supply

4 CREATING A PART NUMBER