深圳市维创电子技术有限公司
Wavetronics Technologies Co., Ltd.
510, Bldg 8, Tian An Industry Zone, 25 Dengliang Rd, Shenzhen, China, 518054
Tel: +86-755-33300682 Fax: +86-755 33300683
E-mail：sales@wtt.cn Web：www.wtt.cn

Data Sheet: OCXO 25MHz

P/N: C3627-B3D1-25M000

1 ELECTRICAL SPECFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	25 MHz
	Waveform	Sinewave
	Level	≥ 8±2 dBm
	Harmonics	≤ -35 dBc
	Spurious	≤ -75 dBc
Frequency Stability	Vs. Temperature	± 3ppb (-40℃~+70℃, referred to +25℃)
	Vs. Load	± 0.5ppb (Max) / 50Ω ± 5%
	Vs. Supply Change	± 0.5ppb (Max) / VDC ± 5%
	Vs. Ageing Per Year	± $100x10^{-9}$ (after 15 working days, typical)
Phase Noise	10Hz	-115dBc / Hz
	100Hz	-135dBc / Hz
	1kHz	-155dBc / Hz
	10kHz	-160dBc / Hz
Seal		Tin Solder Seal
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	≤ 3 Watts for 3 minutes
	Steady at 25℃	≤ 1.2 Watts

2. ENVIRONMENTAL CONDITIONS

Humidity	GJB360A-96, Method 103, Condition A (+40 ℃ ± 2 ℃; 90%~95%R.H.; non-condensing, 96 hours)
Storage temperature	-55℃~+105℃
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)

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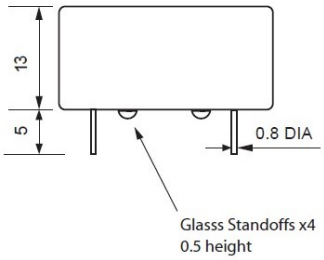
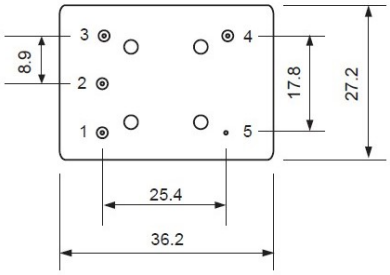
3. PACKAGE





Pin Connections	
Pin 1	Control voltage or N/C
Pin 2	Reference voltage or N/c
Pin 3	Vcc
Pin 4	Output
Pin 5	Ground/case

4 CREATING A PART NUMBER