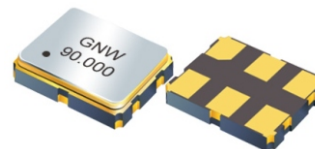


7.0×5.0 VCXO-1



APPLICATIONS

- High-speed ethernet/ Fibre channel
- HDTV/ ATM
- WiMAX/ Server/ SAS/ SATA

FEATURE

- Voltage Controlled Crystal Oscillator (VCXO)
- CMOS output
- Low power voltage: 3.3V, 2.5V
- Tri-state available
- Low phase jitter: 0.8pS RMS(12KHz~20MHz)

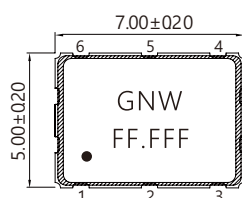


Electrical Specifications 电气参数

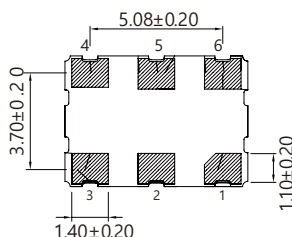
项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	10MHz to 250MHz
总频差	Frequency Stability	±25ppm, ±50ppm
工作温度范围	Operating Temperature Range	-20°C ~ +70°C, -40°C ~ +85°C
输入电压	Power Supply Voltage	2.5V/3.3V
消耗电流	Current Consumption	50 mA max.
输出波形	Output Level	CMOS
输出负载	Output Load	15pF, or specify
占空比	Symmetry	45% to 55%
输出电压水平	Output Voltage Level	VOL: 10%Vcc max. / VOH: 90%Vcc min.
上升/下降时间	Rise/Fall Time	5ns max.
启动时间	Start-up Time	2ms max.
相位与抖动	Phase Jitter	1ps max.@12KHz to 20MHz
相噪	Phase noise(@1KHz)	-105dBc/Hz
压控范围	Control voltage range	0.3~3.0V@3.3V, 0.25V~2.25V@2.5V
拉伸值	Absolute pulling range(APR)	±50ppm min., or specify
线性	Linearity	10% max.
调制带宽	Modulation bandwidth(BW)	10KHz min.
储存温度范围	Storage Temperature Range	-55°C ~ +125°C

Mechanical Dimensions 外型尺寸

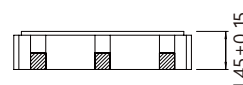
Units:mm



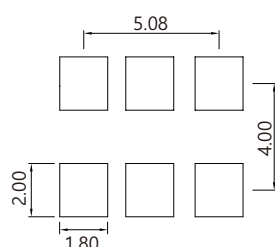
Top View



Bottom View



Side View



Land Pattern

Pin	Connection	Function
1	Vcont	Control voltage
2	OE / Tri-State	OE pin is "H" or "Open": specified frequency output; "L": Output high impedance
3	GND	Vcc power supply ground
4	Output	Oscillator output
5	N.C.	No connection
6	Vcc	Power supply voltage