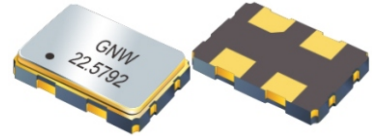


2.5×2.0 SMD Low Phase Noise Oscillator



APPLICATIONS

- Wireless Devices/Portable Electronics
- Ethernet/Fibre channel/Telecom
- Internet of Things(IoT)devices

FEATURE

- Miniature 2.5×2.0mm/ Ceramic Package
- CMOS compatible logic levels
- Tri-state available
- RMS Phase Jitter:0.3pSec max.
- RoHS Compliant/Pb Free

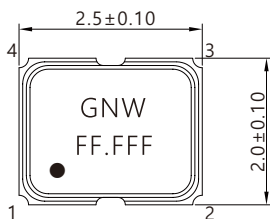


Electrical Specifications 电气参数

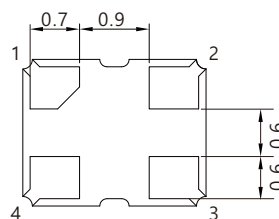
项目	Item/Type	Electrical Specifications	
频率范围	Frequency Range	1MHz to 54MHz	
总频差	Frequency Stability	±20ppm to ±50ppm	
工作温度范围	Operating Temperature Range	-20°C ~ +70°C, -40°C ~ +85°C	
输入电压	Power Supply Voltage	1.8V~3.3V	
消耗电流	Current Consumption	10mA max.	1MHz≤Freq.≤40MHz
		20mA max.	40MHz≤Freq.≤54MHz
输出波形	Output Type	LVCMOS	
输出负载	Output Load	15pF	
占空比	Symmetry	45% to 55%	
输出电压	Output Voltage Level	VOL: 10%Vcc max. / VOH: 90%Vcc min.	
三态功能	Tri-State	Enable(High Voltage or Floating)	70% of VDD Min.
		Disable(Low Voltage or GND)	30% of VDD Max.
上升/下降时间	Rise/Fall Time	5ns max.	
启动时间	Start-up Time	5ms max.	
相位抖动	Phase Jitter	0.3ps max.@12KHz to 20MHz	
相位噪声	Phase Noise	-100 dBc/Hz	10Hz@27MHz 3.3V
		-125 dBc/Hz	100Hz@27MHz 3.3V
		-150 dBc/Hz	1KHz@27MHz 3.3V
		-160 dBc/Hz	10KHz@27MHz 3.3V
储存温度范围	Storage Temperature Range	-55°C ~ +125°C	
老化率	Aging(1st. Year at 25°C)	±3ppm max.	

Mechanical Dimensions 外型尺寸

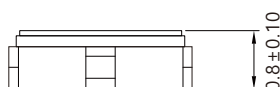
Units:mm



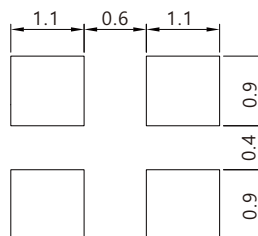
Top View



Bottom View



Side View



Land Pattern

Terminal	Connection
#1	Tri-state or N.C
#2	GND
#3	Output
#4	Vcc

Tri-state Function	
Tri-state pin	Output
High or Floating	Active
Low	Hi-Impedance