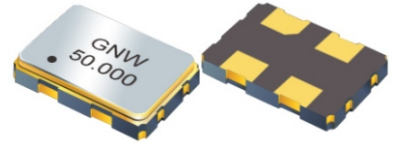


# Spread Spectrum 7.0×5.0 Oscillator



## APPLICATIONS

- Media Players
- LCD Panels
- Digital TV/ RF Devices

## FEATURES

- Spread Spectrum for EMC
- 7.0×5.0mm/ Ceramic Package
- CMOS/ Low Power Consumption
- Frequency Range: 0.67MHz to 170MHz
- Flexible Modulation Rate Options
- Tri-state/Standby Function



## Electrical Specifications 电气参数

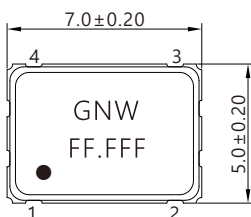
项目	Item/Type	Electrical Specifications		
频率范围	Frequency Range	0.67MHz to 170MHz		
总频差	Frequency Stability	±25ppm, ±50ppm, or specify		
工作温度范围	Operating Temperature Range	-40°C ~ +85°C or -40°C ~ +105°C		
输入电压	Power Supply Voltage	1.8V DC ±10%	2.5V DC ±10%	3.3V DC ±10%
消耗电流	Current Consumption	0.67MHz~20MHz=2.9mA max.	0.67MHz~20MHz=3.0mA max.	0.67MHz~20MHz=3.2mA max.
		21MHz~170MHz=4.9mA max.	21MHz~170MHz=5.9mA max.	21MHz~170MHz=7.0mA max.
待机电流	Standby Current	0.3µA Typ.	0.5µA Typ.	1.1µA Typ.
输出波形	Output Type	CMOS		
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.		
上升/下降时间	Rise/Fall Time	3ns max.(fo>40MHz)		
		6ns max.(fo≤40MHz)		
启动时间	Start-up Time	3ms max.		
储存温度范围	Storage Temperature Range	-55°C ~ +125°C		
年老化率	Aging ( at 25°C )	±3ppm/year max.		
展频类型	Spread Type	Center spread or Down spread		

## Spread Width 展频宽度

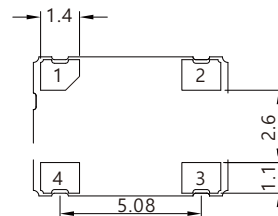
Center Spread	±0.25%	±0.5%	±0.75%	±1.0%	±1.5%	±2.0%
Down Spread	-0.5%	-1.0%	-1.5%	-2.0%	-3.0%	-4.0%

## Mechanical Dimensions 外型尺寸

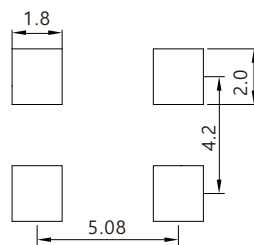
Units:mm



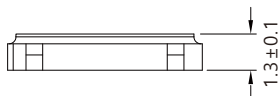
Top View



Bottom View



Land Pattern



Side View

Terminal	Connection
#1	Tri-state/Standby
#2	GND
#3	Output
#4	Vcc

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