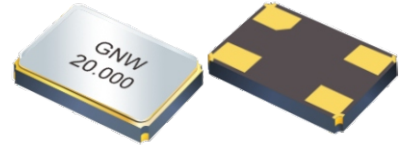


# 2.5×2.0 SMD Crystal



## APPLICATIONS

- Bluetooth / Wireless LAN
- Sensor / Camera
- Automotive / TPMS

## FEATURE

- Rugged AT-cut crystal construction
- Miniature 2.5×2.0mm ceramic package
- High Reliability and High Stability

- Compliant products with AEC-Q200
- Tight Tolerance and Stability
- Reflow Soldering/Emboss Taping



## Electrical Specifications 电气参数

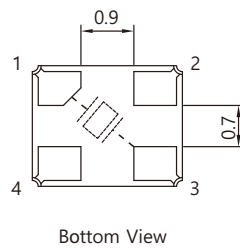
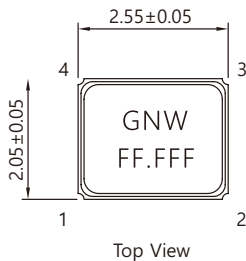
项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	12MHz to 54MHz
调整频差	Frequency Tolerance(at 25°C)	±10ppm to ±30ppm
温度频差	Frequency Drift	±50ppm
工作温度范围	Operating Temperature Range	-40°C ~ +125°C
储存温度范围	Storage Temperature Range	-55°C ~ +125°C
老化	Aging ( 25°C )	±2ppm/year max.
静电容	Shunt Capacitance ( C0 )	3pF max.
激励功率	Drive Level	10μW Typical
绝缘阻抗	Insulation Resistance ( Rs )	500 Megaohms min. at D.C 100v
负载电容	Load Capacitance ( CL )	8,10,12pF or specify

## Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR ( Ω ) 等效阻抗	Mode 振荡模式
12.000-16.000MHz	150Ω max.	Fundamental
16.000-20.000MHz	100Ω max.	Fundamental
20.000-30.000MHz	80Ω max.	Fundamental
30.000-40.000MHz	60Ω max.	Fundamental
40.000-54.000MHz	40Ω max.	Fundamental

## Mechanical Dimensions 外型尺寸

Units:mm



Pin Connection	
#1,#3	Crystal
#2,#4	GND

