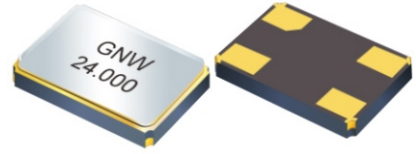


5.0×3.2 SMD Crystal



APPLICATIONS

- Bluetooth / Wireless LAN
- Sensor / Camera
- Automotive

FEATURE

- Rugged AT-cut crystal construction
- Miniature 5.0×3.2mm ceramic package
- Designed for automatic mounting and reflow soldering
- Compliant products with AEC-Q200
- Embossed taping specification
- Pb-free and RoHS/Green compliant



Electrical Specifications 电气参数

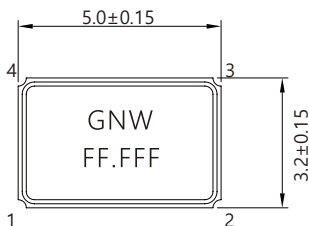
项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	8MHz to 150MHz
调整频差	Frequency Tolerance(at 25°C)	±10ppm to ±30ppm
温度频差	Frequency Drift	±50ppm
工作温度范围	Operating Temperature Range	-40°C ~ +125°C
储存温度范围	Storage Temperature Range	-55°C ~ +125°C
老化	Aging (25°C)	±2ppm/year max.
静电容	Shunt Capacitance (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

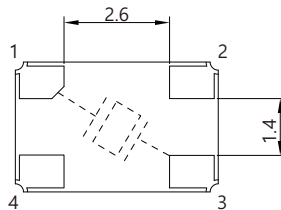
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8.000-10.000MHz	100Ω max.	Fundamental
10.000-12.000MHz	80Ω max.	Fundamental
12.000-16.000MHz	60Ω max.	Fundamental
16.000-20.000MHz	50Ω max.	Fundamental
20.000-24.000MHz	40Ω max.	Fundamental
24.000-50.000MHz	30Ω max.	Fundamental
40.000-150.000MHz	80Ω max.	3rd overtone

Mechanical Dimensions 外型尺寸

Units:mm

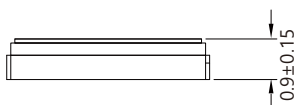


Top View

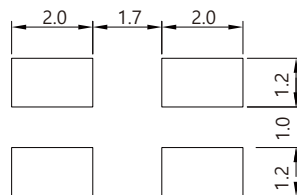


Bottom View

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



Side View



Top View Suggested Layout