

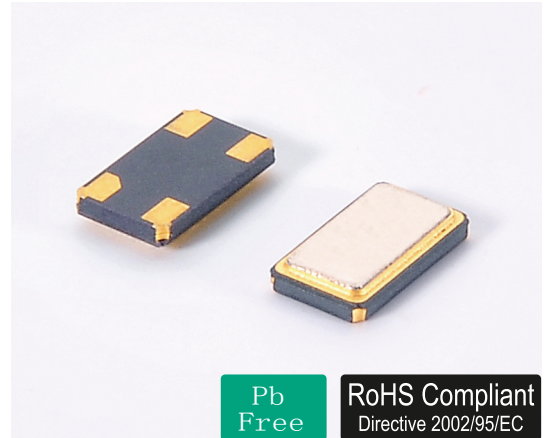
4x2.5 SMD Crystal

FEATURE

- Rugged AT-cut crystal construction.
- Miniature 4.0×2.5mm ceramic package.
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- Embossed tapping specification
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for Bluetooth wireless communication sets, DSN, PDA, GPS, Digital Tuner, Wireless LAN and mobile phone.



•Electrical Specifications 电气参数

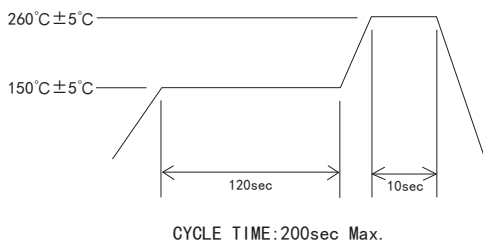
型号	Holder Type	4x2.5mm Ceramic Surface Mount
频率范围	Frequency Range	12MHz to 50MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	± 10 ppm to ± 30 ppm
温度频差	Frequency Drift	± 10 ppm to ± 30 ppm※ (See Notes)
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
老化	Aging (25°C)	± 3 ppm/ year Maximum
静电容	Shunt Capacitance (C0)	5pF maximum
激励功率	Drive Level	10 μ W (300 μ W max.)
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at D.C100V
负载电容	Load Capacitance (CL)	Suggested by customer

※Notes: ± 10 , ± 20 , ± 30 ppm (-20°C to +70°C)
 ± 20 , ± 30 , ± 50 ppm (-40°C to +85°C) or depends on customer

•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
12.000MHz $\leq f < 16.000$ MHz	80 Ω max	Fundamental
16.000MHz $\leq f < 20.000$ MHz	60 Ω max	Fundamental
20.000MHz $\leq f < 24.000$ MHz	50 Ω max	Fundamental
24.000MHz $\leq f < 50.000$ MHz	40 Ω max	Fundamental

•Reflow Condition(回流焊条件)



•Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)

