

5x3.2 SMD Crystal

FEATURE

- Tight tolerance & stability.
- Rugged AT-cut crystal construction.
- Miniature 5.0×3.2mm ceramic package.
- High precision characteristic covering up to high frequency range
- Automatic mounting
- Embossed taping specification
- Suitable for Reflow soldering
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for disc drives, HDD, PCMCIA Cards, Notebook PC, GPS, Blue Tooth, wireless LAN, USB Dongle, Pen Driver, and hand-held electronic products.



Pb Free

RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

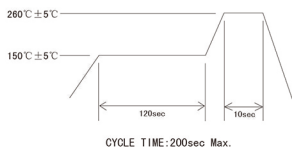
型号	Holder Type	5 × 3.2mm Ceramic Surface Mount
频率范围	Frequency Range	8.000 to 150.0000 MHz
调整频差	Frequency Tolerance (ΔF) (at25℃)	±10ppm to ±30ppm
温度频差	Frequency Drift	±10ppm to ±30ppm※(See Notes)
工作温度范围	Operating Temperature Range	-20℃ - +70℃ / -40℃ - +85℃
储存温度范围	Storage Temperature Range	-40℃ - +85℃ / -55℃ - +125℃
老化	Aging (25℃)	±3ppm/ year max.
静电容	Shunt Capacitance (C0)	5pF max.
激励功率	Drive Level	10μW (300μW max.)
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at D.C 100V
负载电容	Load Capacitance (CL)	Suggested by customer

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

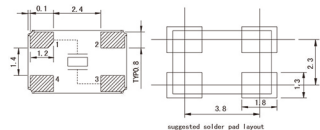
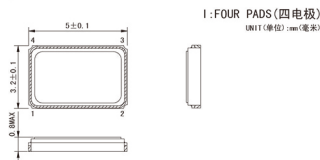
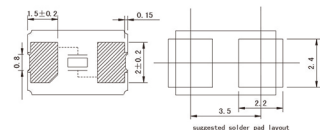
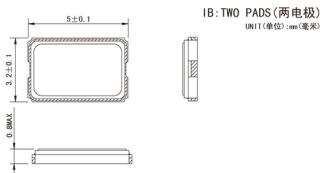
Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8.000MHz ≤ f < 10.000 MHz	100Max	基频Fundamental
10.000MHz ≤ f < 12.000 MHz	80Max	Fundamental
12.000MHz ≤ f < 16.000 MHz	60Max	Fundamental
16.000MHz ≤ f < 20.000 MHz	50Max	Fundamental
20.000MHz ≤ f < 24.000 MHz	40Max	Fundamental
24.000MHz ≤ f < 50.000 MHz	30Max	Fundamental
40.000MHz ≤ f < 150.000 MHz	80Max	Third Overtone

Reflow Condition(回流焊条件)



Mechanical Dimensions 外型尺寸



Note: #2, #4 is connected with a cover
(Please connect with a GND or a power supply)



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