

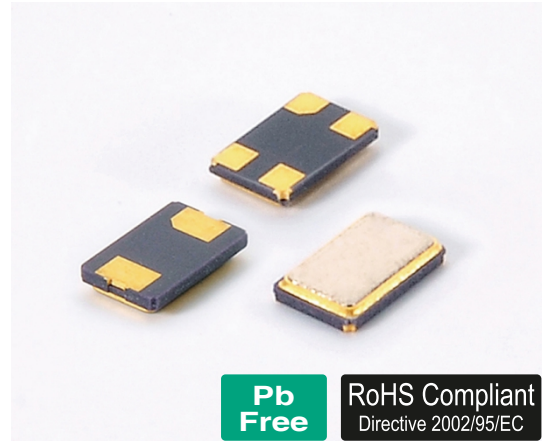
5.0x3.2 SMD Crystal

FEATURE

- Tight tolerance & stability.
- Rugged AT-cut crystal construction.
- Miniature 5.0x3.2mm 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.



Electrical Specifications 电气参数

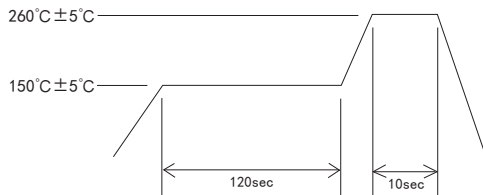
型号	Holder Type	5x3.2mm Ceramic Surface Mount
频率范围	Frequency Range	8.000 to 125.0000 MHz
调整频差	Frequency Tolerance (ΔF) (at25°C)	± 10 ppm to ± 30 ppm
温度频差	Frequency Drift	± 10 ppm to ± 30 ppm※(See Notes)
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
老化	Aging (25°C)	± 3 ppm/ year max.
静电容	Shunt Capacitance (C0)	5pF max.
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.C 100V
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

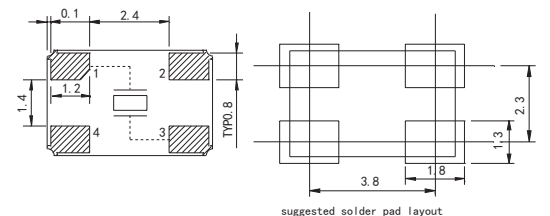
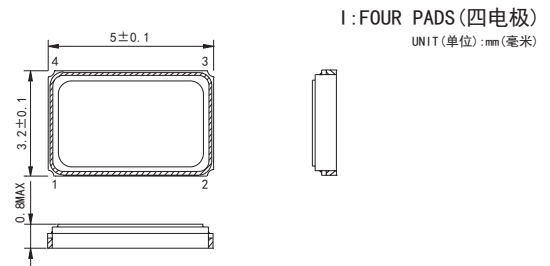
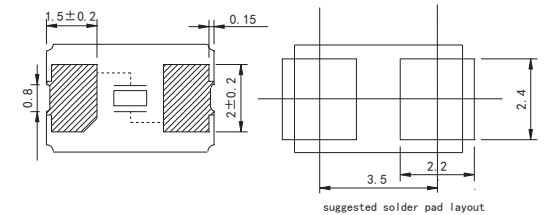
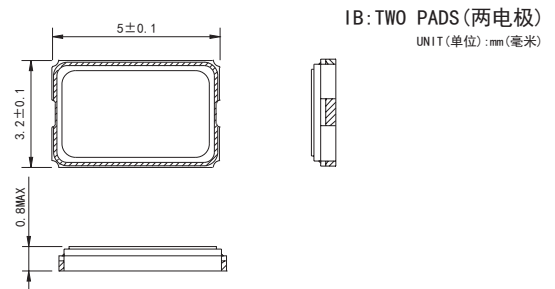
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8.000MHz $\leq f < 10.000$ MHz	100Max	基频 Fundamental
10.000MHz $\leq f < 12.000$ MHz	80Max	Fundamental
12.000MHz $\leq f < 16.000$ MHz	60Max	Fundamental
16.000MHz $\leq f < 20.000$ MHz	50Max	Fundamental
20.000MHz $\leq f < 24.000$ MHz	40Max	Fundamental
24.000MHz $\leq f < 50.000$ MHz	30Max	Fundamental
40.000MHz $\leq f < 125.000$ MHz	80Max	Third Overtone

Reflow Condition(回流焊条件)



CYCLE TIME: 200sec Max.

Mechanical Dimensions 外型尺寸



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

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