

2.0x2.5 SMD Crystal

FEATURE

- Rugged AT-cut crystal construction.
- Miniature 2.5×2.0mm ceramic package.
- Designed for automatic mounting and reflow soldering.
- Embossed taping specification.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

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



Pb
Free

RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

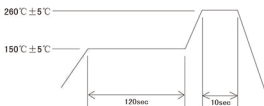
型号	Holder Type	2.0x2.5mm Ceramic Surface Mount
频率范围	Frequency Range	16MHz to 50MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	±10ppm to ±30ppm
温度频差	Frequency Drift	±10ppm to ±30ppm※(See Notes)
工作温度范围	Operating Temperature Range	-20°C ~ +70°C / -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C / -55°C ~ +125°C
老化	Aging (25°C)	±3ppm/ year Maximum
静电容	Shunt Capacitance (C0)	3pF maximum
激励功率	Drive Level	10μW (100μW 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, ±30ppm (-20°C to +70°C)
±20, ±30, ±50ppm (-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
16.000MHz ≤ f < 20.000MHz	100Ω max	Fundamental
20.000MHz ≤ f < 30.000MHz	80Ω max	Fundamental
30.000MHz ≤ f < 40.000MHz	60Ω max	Fundamental
40.000MHz ≤ f < 54.000MHz	40Ω max	Fundamental

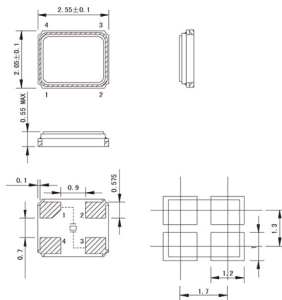
Reflow Condition(回流焊条件)



CYCLE TIME: 200sec Max.

Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)



suggested solder pad layout

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



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