

2.0x1.6 SMD Crystal



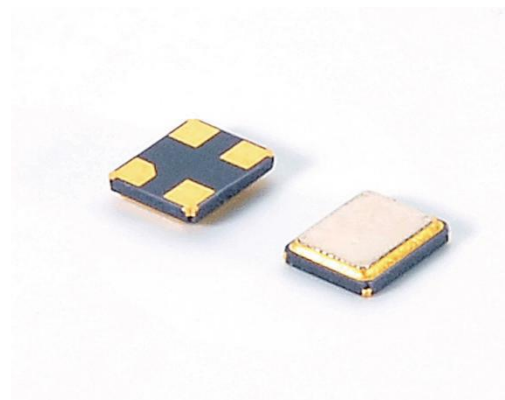
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FEATURE

- Rugged AT-cut crystal construction.
- Miniature 2.0×1.6mm 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.



Electrical Specifications 电气参数

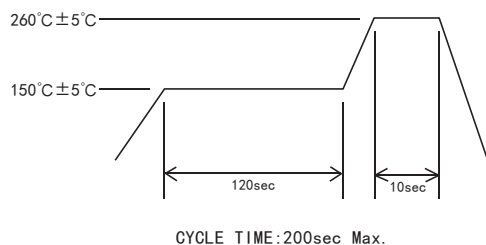
型号	Holder Type	2.0x1.6mm Ceramic Surface Mount
频率范围	Frequency Range	24.000MHz to 54.000MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
温度频差	Frequency Drift	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$ ※(See Notes)
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
老化	Aging (25°C)	$\pm 5\text{ppm}/\text{year max.}$
静电容	Shunt Capacitance (C0)	7pF max.
激励功率	Drive Level	10 μW (100 μW 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 , $\pm 30\text{ppm}$ (-20°C to +70°C)
 ± 20 , ± 30 , $\pm 50\text{ppm}$ (-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

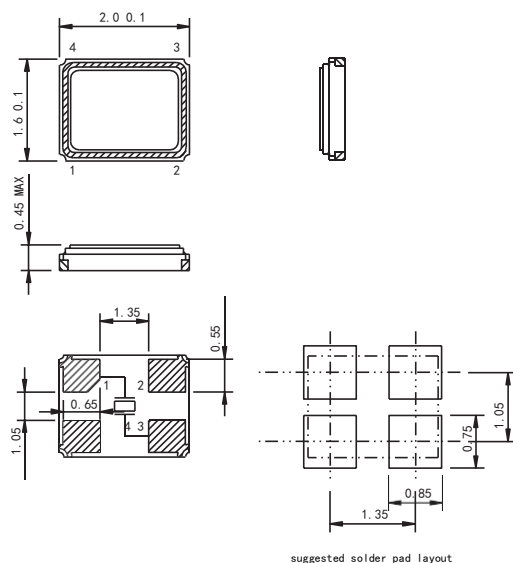
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
24.000MHz $\leq f < 26.000\text{MHz}$	80 Ω max	Fundamental
26.000MHz $\leq f < 40.000\text{MHz}$	60 Ω max	Fundamental
40.000MHz $\leq f < 50.000\text{MHz}$	50 Ω max	Fundamental

Reflow Condition(回流焊条件)



Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)



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

