

5x7 SMD Crystal

FEATURE

- Rugged AT-cut crystal construction.
- Extremely compact SMD package.
- High precision characteristic covering up to high frequency range.
- Automatic mounting.
- Embossed taping specification.
- Reflow soldering.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for disc drives, PCMCIA, PCs and hand-held electronic products.

Electrical Specifications 电气参数

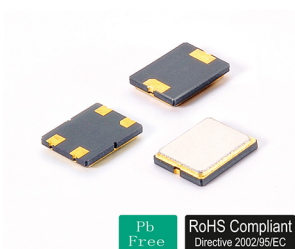
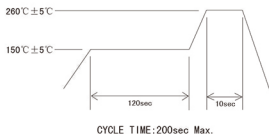
型号	Holder Type	5x7mm Ceramic Surface Mount
频率范围	Frequency Range	5.500 to 150.000 MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
温度频差	Frequency Drift	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$ ※(See Notes)
工作温度范围	Operating Temperature Range	-20°C ~ +70°C / -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C / -55°C ~ +125°C
老化	Aging (25°C)	$\pm 3\text{ppm}$ / year max.
静电容	Shunt Capacitance (C0)	7pF max.
激励功率	Drive Level	100 μW (300 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

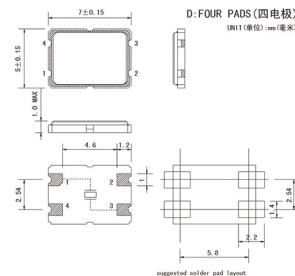
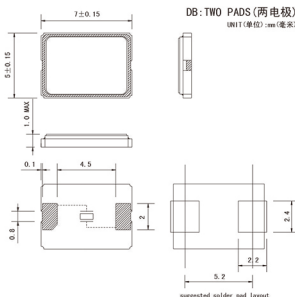
Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
5.500MHz $\leq f < 8.000$ MHz	100Max	基频 Fundamental
8.000MHz $\leq f < 10.000$ MHz	60Max	Fundamental
10.000MHz $\leq f < 14.000$ MHz	50Max	Fundamental
14.000MHz $\leq f < 20.000$ MHz	40Max	Fundamental
20.000MHz $\leq f < 40.000$ MHz	30Max	Fundamental
35.000 to 150.000MHz	80Max	三次泛音 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)