

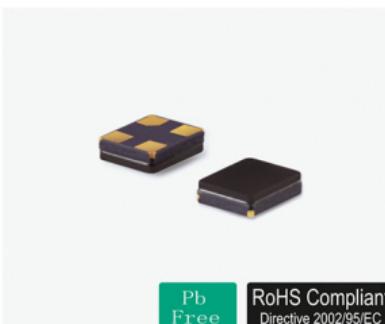
3.2x2.5 SMD (Glass Sealed) Crystal

FEATURE

- Rugged AT-cut crystal construction.
- Miniature 3.2×2.5mm 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

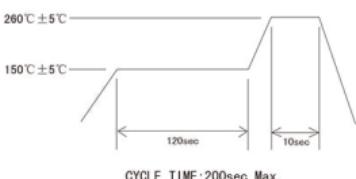
型号	Holder Type	3.2x2.5mm Glass Surface Mount
频率范围	Frequency Range	12MHz to 50MHz
调频频差	Frequency Tolerance (Δf) (at 25°C)	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
温度频差	Frequency Drift	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$ (See Notes)
工作温度范围	Operating Temperature Range	-20°C ~ +70°C / -40°C ~ +85°C
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)	3pF max.
激励功率	Drive Level	10μW (100μW max.)
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at DC100V
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
12.000MHz ≤ f < 16.000MHz	100 Ω max	Fundamental
16.000MHz ≤ f < 20.000MHz	80 Ω max	Fundamental
20.000MHz ≤ f < 24.000MHz	60 Ω max	Fundamental
24.000MHz ≤ f < 54.000MHz	40 Ω max	Fundamental

•Reflow Condition(回流焊条件)



•Mechanical Dimensions 外型尺寸

