

# 2.0x1.6 SMD Crystal



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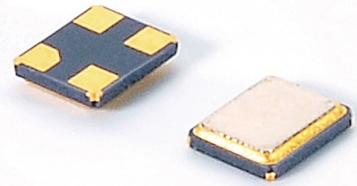
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### 产品规格书 SPECIFICATION

标题 Title: 石英晶体谐振器规格书 QUARTZ CRYSTAL SPECIFICATION



**Pb Free**

**RoHS Compliant**  
Directive 2002/95/EC

#### FEATURE

- Rugged AT-cut crystal construction.
- Miniature 2.0x1.6mm 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 Characteristics 技术指标

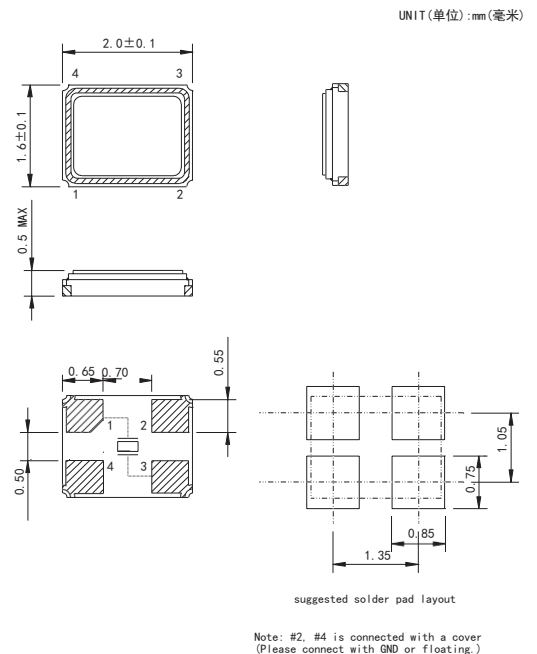
型号	Holder Type	2.0x1.6mm Ceramic Surface Mount
频率范围	Frequency Range	16.000MHz to 54.000MHz
调整频差	Frequency Tolerance ( $\Delta F$ ) (at 25°C)	$\pm 10$ ppm to $\pm 30$ ppm
温度频差	Frequency Drift	$\pm 10$ ppm to $\pm 30$ ppm※(See Notes)
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
老化	Aging (25°C)	$\pm 3$ ppm/ year max.
静电容	Shunt Capacitance (C0)	3pF max.
激励功率	Drive Level	10 $\mu$ w (100 $\mu$ W 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:  $\pm 10$ ,  $\pm 20$ ,  $\pm 30$ ppm (-20°C to +70°C)  
 $\pm 20$ ,  $\pm 30$ ,  $\pm 50$ 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 ( $\Omega$ ) 等效阻抗	Mode 振荡模式
16.000MHz $\leq f <$ 26.000MHz	80 $\Omega$ max	Fundamental
26.000MHz $\leq f <$ 40.000MHz	60 $\Omega$ max	Fundamental
40.000MHz $\leq f <$ 54.000MHz	50 $\Omega$ max	Fundamental

#### Mechanical Dimensions 外型尺寸



#### Reflow Condition (回流焊条件)

