

**DIP QUARTZ CRYSTAL RESONATOR**
**石英晶体谐振器**

**DIP Tuning Fork 2x6 mm**

- Tuning fork crystal in 2 x 6 mm cylinder type
- 32.768 KHz standard
- $\pm 20$  ppm Standard
- Excellent Reliability Performance

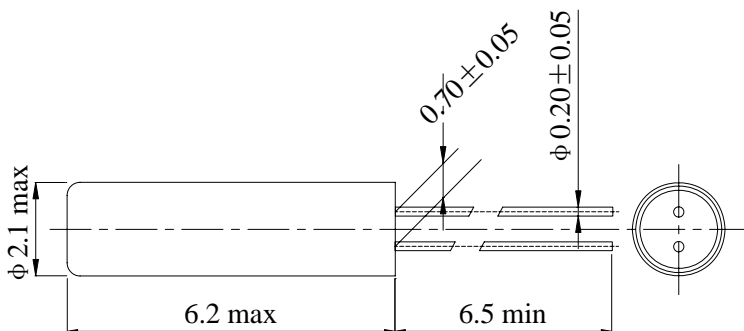


RoHS compliant

**★ PARAMETERS**
**技术参数**

PARAMETERS	参数	SPECIFICATION 规格
Frequency Range	频率范围	32.768KHz (30.00~ 200.00 KHz available)
Loading Capacitance	负载电容	12.5pF Std. 6 pF~20pF available
Drive Level	激励电平	1.0 $\mu$ W Max
Frequency Tolerance	频率偏差	$\pm 5$ ppm / $\pm 10$ ppm / $\pm 20$ ppm (at 25 $^{\circ}$ C)
Equivalent Resistance	谐振电阻	40K $\Omega$ Max
Temperature coefficient	温度曲线系数	$-0.04 \times 10^{-6} / ^{\circ}\text{C}^2$ max, $-0.034 \times 10^{-6} / ^{\circ}\text{C}^2$ typical
Operating Temp. Range:	工作温度范围	-20 $^{\circ}$ C~+70 $^{\circ}$ C / -40 $^{\circ}$ C~+85 $^{\circ}$ C
Storage Temp. Range:	储存温度范围	-40 $^{\circ}$ C~+85 $^{\circ}$ C
Aging (25 $^{\circ}$ C, First Year)	老化率	$\pm 5$ ppm max

⊙ All specification subject change without notice. 规格变化, 恕不另行通知。

**★ DIMENSIONS & LAND PATTERN LAYOUT (Unit: mm) 外形尺寸**
**★ Frequency Stability vs. Temperature 温频特性**


Operating Temperature Range	Frequency Stability		
	-80ppm	-160ppm	
-10 $^{\circ}$ C~+60 $^{\circ}$ C	●		
-20 $^{\circ}$ C~+70 $^{\circ}$ C		●	

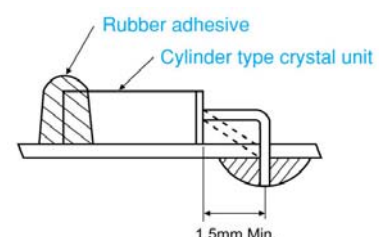
● standard ○ available

**● Mounting of cylinder type products:**

Soldering the body of the cylinder type crystal units with PCB must be avoided due to deteriorate the characteristics or damage the products. Rubber adhesive is recommended.

**● Soldering**

Lead wires should be soldered within 3 seconds with the soldering iron heated to a temperature no higher than 300 $^{\circ}$ C



★ PART NUMBER GUIDE 部件号示例 *e.g. FTX32.768K12.5D6-20 (\*D6=2.0 × 6.0mm)*

	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容	Package 盒型	Frequency Tolerance 常温频差 ppm
FT	X	32.768KHz	12.5	D6	20

★ WAVE SOLDERING PROFILE 波峰焊特性

