

深圳市晶科鑫实业有限公司

样品承认书

客户代码:		
物料名称:	圆柱JU2*6	
规格型号:	圆柱JU2*6 27.000MHZ 20PF ±20PPM -20~70℃ 加硅胶管	
P N/ SJK:	6K627000F20UBG	
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它	
版 次:	A1 2017-6-10 初版	最小包装 1K/盒
湿敏等级:	一级	

承 认 签 章					
供 应 商 承 认			() 公 司 承 认		
制 定	审 核	核 准	工 程 师	审 核	批 准
贺丹斌	李相同	刘惠光			
SJK 支持			盖章签署		
FAE_EMAIL			日 期		
日 期			批示： ☐ 接受 ☐ 有条件接受		
备注:					

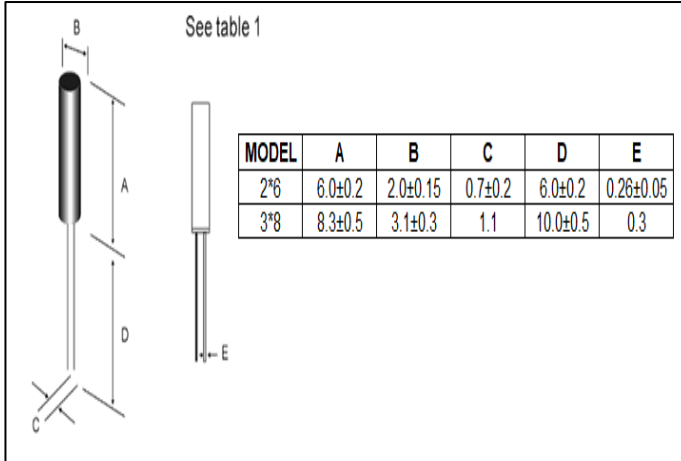
FEATURE

- Wide frequency range.
- Best suited for portable devices with low current consumption.
- For a clock source in digital equipments.
- RoHS Compliant / Pb Free.

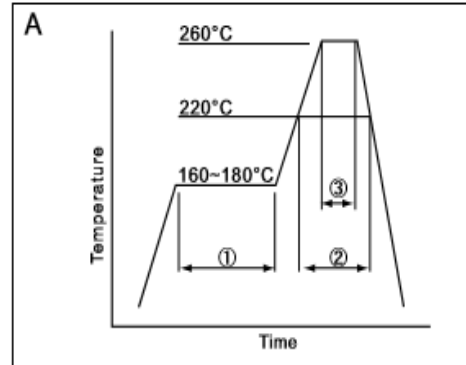
ELECTRICAL SPECIFICATIONS

Frequency range	27.000MHz
Package	2x6mm
Oscillation mode	Fundamental
Load capacitance	20PF
Equivalent series resistance	40Ω Max
Frequency tolerance	±20ppm at 25±3°C
Operable Temperature Range	-20°C to +70 °C
Storage Temperature Range	-40 °C to +85 °C
Frequency Stability Over Operating Temperature	±30PPM
Parallel capacitance(Co)	5.0PF Max
Drive level (DL)	100 μW Typical
Insulation Resistance	500Mohm Min DC=100V± 15V(Pin to Pin,Pin to case)

DIMENSION (Unit: mm)

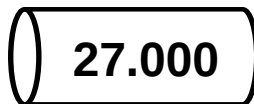


Wave Soldering

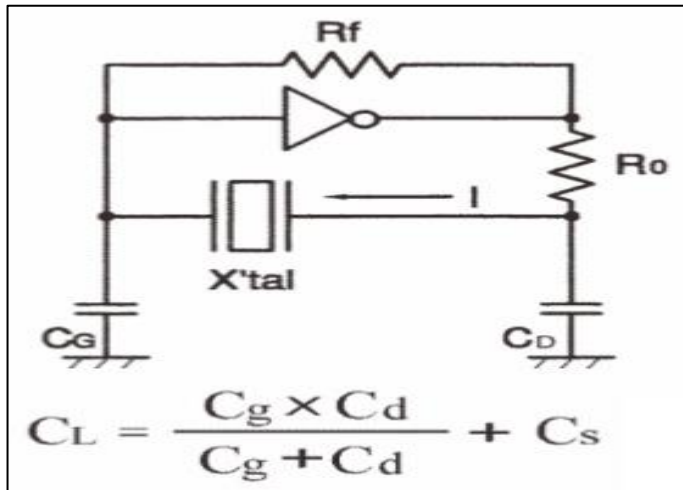


①	Preheat	160~180°C	120sec.
②	Primary heat	220°C	60sec.
③	Peak	260°C	10sec. max

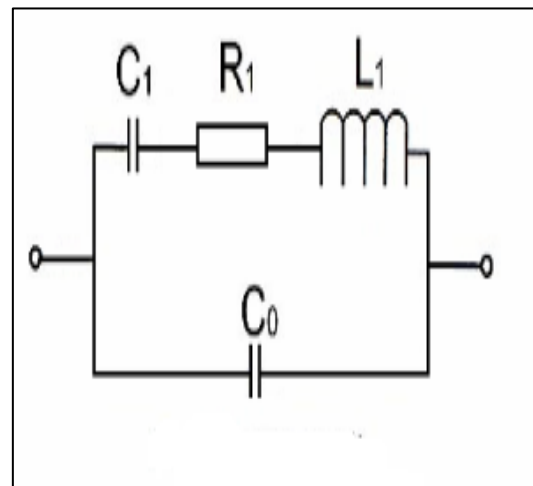
MARK



Oscillation Circuit



EQUIVALENT CIRCUIT



Environment-proof ▪ Mechanical property

No	Item	Specifications	Conditions	
1	High temperature storage	$\Delta f/f = \pm 5 \times 10^{-6}$	After storage under 85℃ for 500 hrs, measure at room temperature.	1
2	Low temperature storage	$\Delta f/f = \pm 5 \times 10^{-6}$	After storage under -40℃ for 500hrs, measure at room temperature	1
3	High temperature and high humidity storage	$\Delta f/f = \pm 5 \times 10^{-6}$	After storage under 60℃ $\pm$ 2℃, 90 to95% RH for 500 hrs, measure at room temperature.	1
4	Thermal shock resistance	$\Delta f/f = \pm 5 \times 10^{-6}$	Measured at room temperature after20 cycles. -25℃ ↔+80℃ for 30 minutes.	1
5	Mechanical shock resistance	$\Delta f/f = \pm 5 \times 10^{-6}$	Measure after free drop of the RESONATOR three times from the height of 75cm onto a wooden board.	2
6	Vibration resistance	$\Delta f/f = \pm 5 \times 10^{-6}$	Amplitude 1.5mm and 10~60Hz with cycle time 2~3 minutes in 3 direction (X,Y,and Z axis)each for 2 hrs.	2
7	Resistance to soldering heat	$\Delta f/f = \pm 5 \times 10^{-6}$	Measured at room temperature after immersing the lead wire in a soldering bath of 300℃ $\pm$ 10℃ for 5 seconds up to a position where it is2mm away from the root of the plug.	1
8	Tensile strength of lead wire	$\Delta f/f = \pm 5 \times 10^{-6}$	Apply a load of 500g for 30 seconds in the lead wire's axial direction.	2
9	Bending strength of lead wire	$\Delta f/f = \pm 5 \times 10^{-6}$	Bending cycle : 0 °→ 45 °→ 0 °→ 45 °→ 0 °	2
10	Solderability of lead wire	A minimum 95% of the area to be coated with solder	Apply resin-flux contained-solder to a soldering iron of 280℃ $\pm$ 5℃ for 5 seconds.	2

Note:

1. The above tests no. 1 to 9 must be conducted independently (not series tests)
2. *1: Measure after 24 hours soak at room temperature .
3. *2: Measure after 2 hours soak at room temperature .

Precautions

- (1) Temperature for soldering the lead wire shall not exceed 300℃ and the soldering time shall be within 5 seconds.
- (2) Position to be soldered : Solder only the position where the lead wire is1.0mm away from the glass seal.
Do not solder the case.
- (3) Cutting, bending and correction of lead wire: The glass seal shall be free of any crack or other damage which may deteriorate the characteristics of RESONATORS.

REVISION RECORD (SJK-6Z627000MBZ2200F2)

Rev	Revise contents	Reason	Reviser	Checked	Approved
A1	Initial released	--	贺丹斌	李相同	刘惠光