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SPECIFICATION

PN: SJK-7M32768KDY240ZA3

深圳市晶科鑫实业有限公司

SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO., LTD.

Crystal Resonators



7M 6.9*1.4mm TUNING FORK WATCH CRYSTAL 32.768KHZ

FEATURE

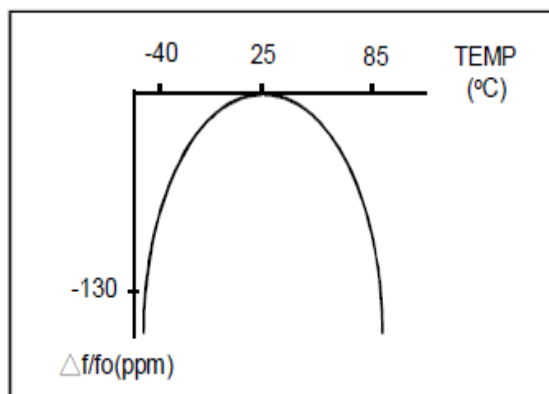
Ultra thin type with geight 1.4mm Max.
Application for Cellular phones ,PDA,Radio Communication
Equipment, and Portable Applications etc.
High reliable environmental performace.
RoHS compliant /Pb Free.

ELECTRICAL SPECIFICATIONS (电气参数)

Frequency	32.768KHz
Frequency Tolerance (at 25°C)	±20ppm
Load Capacitance(CL)	12.5PF
Equivalent Series Resistance(ESR)	65KΩ Max
Turnover Temperature	25 ± 5°C
Frequency Temperature Curve	-0.04ppm/°C ² MAX
Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-40 °C to +85 °C
Shunt Capacitance (C0)	0.8pF Typ
Dynamic Capacitance (C1)	1.9fF Typ
Driver Level (Typical)	1μW Max
Insulation Resistance	500MΩ MIN at DC100V±15V
Aging @25°C 1st year (Max)	±3ppm/year max

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE
CONFIRM WITH OUR SALES ENGINEER.

Frequency VS Temperature Curve

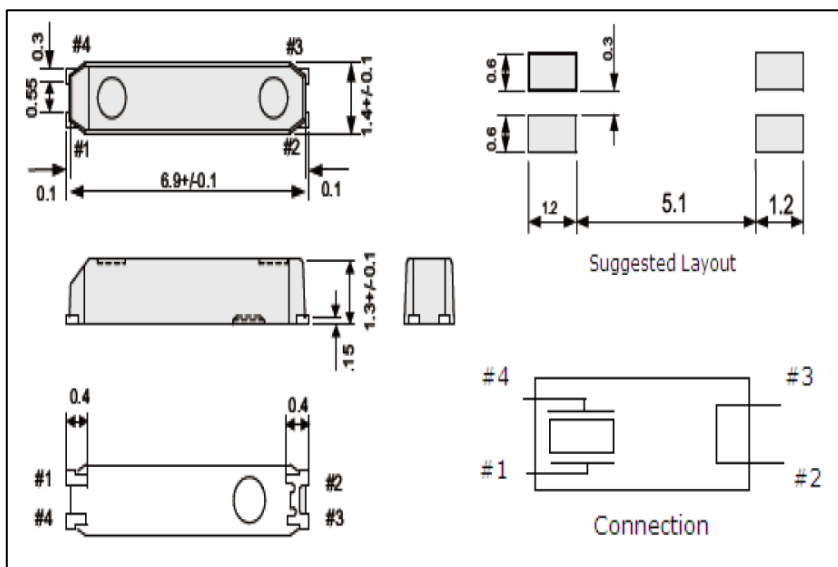


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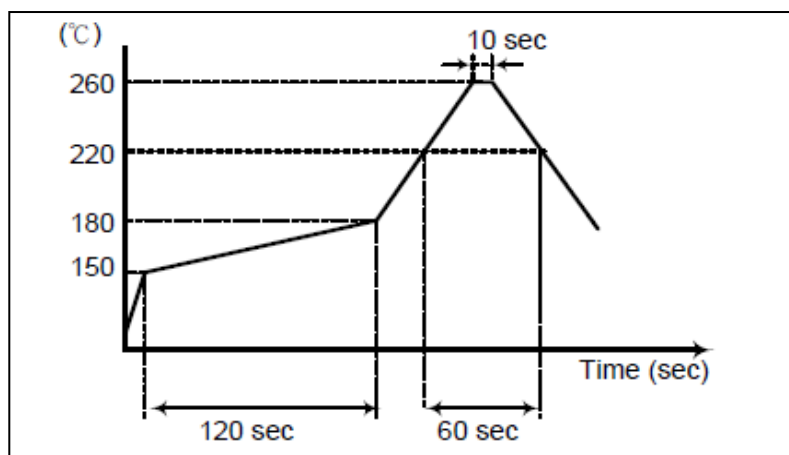


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Dimension (尺寸) (Unit: mm)



REFLOW CONDITION (回流焊)



The reflow temperature profile may vary depending on the product model, specifications and frequency range. Refer to the individual product specifications for details

RELIABILITY TEST SPECIFICATIONS (可靠性测试标准)

Test item	Equipment	Condition	Specification
1.SOLDERABILITY TEST	SJK-REL001、RC-328A	1.Solderability:235±5℃, 5±0.5S 2.Heat resistance:260±5℃,10±1S restoration of 1 hour	MIL-STD-883E Method 2003.7
2. HERMETICITY TEST	HELIOT-306S	FC-84 FLUOROCARBON,BUBBLE MACHINE	MIL-STD-883E Method 1014.10
3. VIBRATION TEST	HG-V4、S&A 250B	Enable Crystal(10g) from 10-55-10Hz,X、Y、Z horizontal,1 Minute vibration/time, 1time/ 2 hours.	MIL-STD-883E Method 2007.3
4. MECHANICAL SHOCK	HPC-200、S&A 250B	Enable Crystal 50G(490m/s2) time=11 ms speed=3.4 m/s half sine wave oscillation	JIS C6701
5. DROP TEST	HARD BOARD.S&A250B	75CM HIGH,3 TIMES ON HARD BOARD	MIL-STD-202F Method 213B
6. HIGH&LOW TEMP STORAGE TEST(Static test)	H-PTH-80CK & HM101-3ABN, S&A 350B/250B	High temperature: 125℃±2℃,1000hr; Low temperature:-40℃±3℃,1000hrs	MIL-STD883C, METHOD 1011.8
7. TEMP & HUM CYCLING TEST	H-PTH-80CK CHAMBE, S&A 350B/250B	Temperature:-10℃±2℃~65℃±2℃,Humidity:93±3%,1 cycle need 24 hrs. 5cycles.	MIL-STD-883E Method 1005.8
8. HIGH TEM. & HUM. STORAGE TEST	H-PTH-80CK CHAMBE, S&A350B/250B	Temperature:40℃±2, Humidity:85+3,-2%,Store 96 hrs	JIS C6701
9.AGING TEST	H-PTH-80CK CHAMBE, S&A350B/250	Temperature:40℃±2, Humidity:85+3,-2%,Store 96 hrs	JIS C5023