

# QUARTZ CRYSTAL UNIT

SERIES 6K6 & 6K8, TUNING FORK CRYSTAL



## FEATURE

- Wide Frequency range
- High shock tolerance
- Small size
- Reliable frequency stability

## APPLICATIONS

- Microprocessor Systems
- Consumer Electronics
- Instrumentation
- Automotive electronics

## ELECTRICAL SPECIFICATIONS

Frequency	30.000KHz ~ 350.00KHz
Frequency Tolerance (at 25°C)	±20ppm ~ ±100ppm
ESR	32KHz-40KHz: 40Kohm Max
	40KHz-60KHz: 30Kohm Max
	60KHz-70KHz: 25Kohm Max
	70KHz-200KHz: 22Kohm Max
	200KHz-350KHz: 20Kohm Max
Turnover Temperature	25 ± 5°C
Frequency Temperature Curve	-0.034(±0.006)ppm/°C <sup>2</sup>
Storage Temperature Range	-55 °C to +125 °C
Operable Temperature Range	-10 °C to + 60 °C, -20 °C to + 70 °C
Shunt Capacitance (C0)	2.0pF Typ
Dynamic Capacitance (C1)	4.0pF Typ
Driver Level (Typical)	1 μW Max
Load Capacitance(C <sub>L</sub> )	6.0pF ~ 12.5pF, or specify
Aging @25°C 1 <sup>st</sup> year (Max)	±3ppm/year

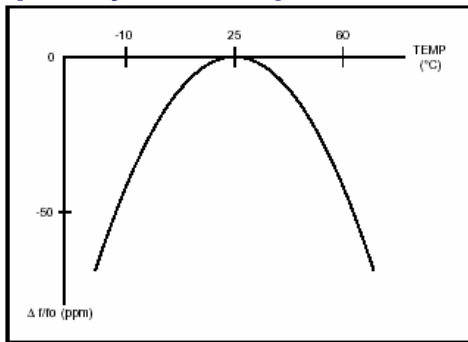
**REMARK:** SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

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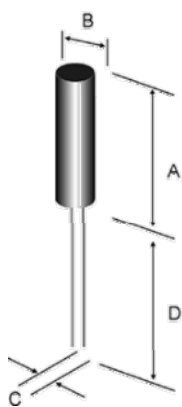


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## Frequency VS Temperature Curve



## PACKING AND DIMENSIONS



See table 1



MODEL	A	B	C	D	E
2×6mm	6.3	1.95	0.7	7.0	0.2
3×8mm	8.3	3.1	1.1	10.0	0.3
3×9mm	9.3	3.1	1.1	10.0	0.3
3 x10mm	10.1	3.1	1.1	10.0	0.3

## PART NUMBER

SJK-	6K8	32.768K	12.5	20	40	A
	6k6:2×6mm 6k8:3×8mm	Frequency	Load capacitance	Frequency tolerance	E.S.R.	temp.range A:-10-60°C B:-20-70°C C:-30-85°C