



## QUARTZ CRYSTAL - HCT2x6 SERIES

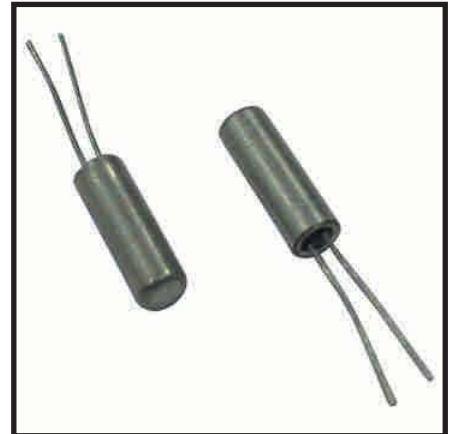
### Tuning Fork Watch Crystal Through Hole Package

#### FEATURES

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

#### APPLICATION

- Microprocessor Systems
- Consumer Electronics
- Instrumentation
- Automotive Electronics



#### ELECTRICAL SPECIFICATIONS

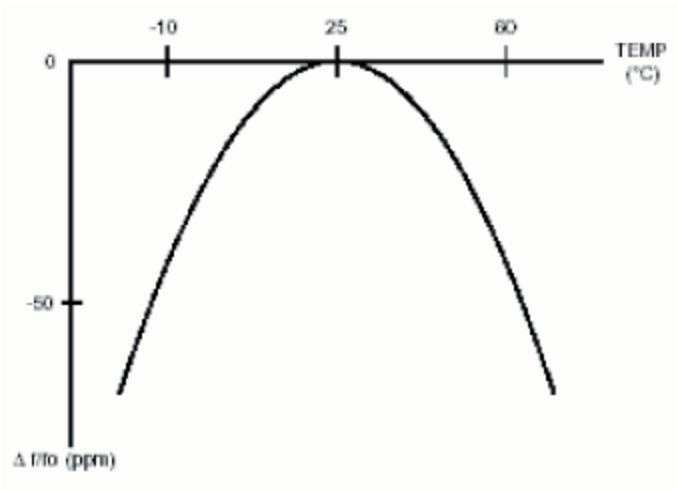
frequency ( $f_0$ )	32.768KHz
Frequency tolerance ( $\Delta f/f_0$ )	$\pm 20 \sim \pm 100$ ppm
Equivalent series resistance (ESR)	40K $\Omega$ max
Turnover Temperature ( $T_0$ )	25°C $\pm$ 5°C
Operating Temperature	-10 to 60°C ( Standard ) <i>optional:</i> -20 to 70°C , -40 to 85°C
Storage Temperature	-55 to 125°C
Frequency Temperature Curve	-0.034ppm/°C <sup>2</sup> Max
Load Capacitance ( $C_L$ )	6pF~12.5pF or specify
Shunt capacitance( $C_0$ )	2.0pF
Dynamic Capacitance ( $C_1$ )	4.0pF
Drive Level ( $D_L$ )	1 $\mu$ W Max
Aging ( $f_a$ )	$\pm 3$ ppm/year



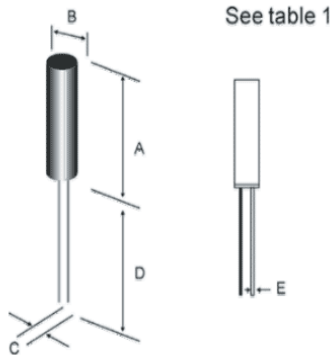
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#### Frequency vs Temperature Curve



#### Dimensions



Model	A	B	C	D	E
2x6	6.3	1.95	0.7	7.0	0.2

#### Ordering

HCT2x6-	32.768	- 12.5	- 20	- A
Series	Frequency in MHz	Load Capacitance (pf)	Frequency Tolerance in ppm	Operating Temperature Range
		6 ~ 12.5pF	± 20 (std)	A= -10 to 60°C (std ) B= -20 to 70°C C= -40 to 85°C