

# QUARTZ CRYSTAL UNIT

## 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

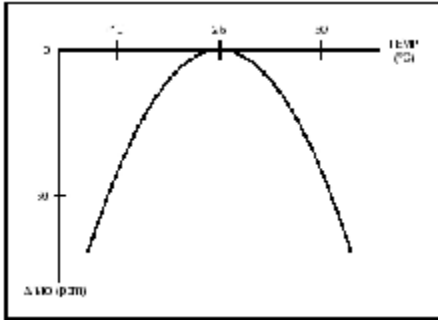
Frequency	30.000KHz ~ 350.00KHz
Frequency Tolerance (at 25°C)	±20ppm ~±100ppm
ESR	32KHz-40KHz: 40Kohm Max
	40KHz-60KHz: 30Kohm Max
	60KHz-70KHz: 25Kohm Max
	70KHz-200KHz: 22Kohm Max
	200KHz-350KHz: 20Kohm Max
Turnover Temperature	25 ± 5°C
Frequency Temperature Curve	-0.034(±0.006)ppm/°C <sup>2</sup>
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 uW 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.**

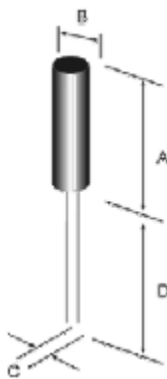
# QUARTZ CRYSTAL UNIT

## TUNING FORK CRYSTAL

### 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