

# QUARTECH

## TUNING FORK CRYSTAL UNIT

### ELECTRIC CHARAC

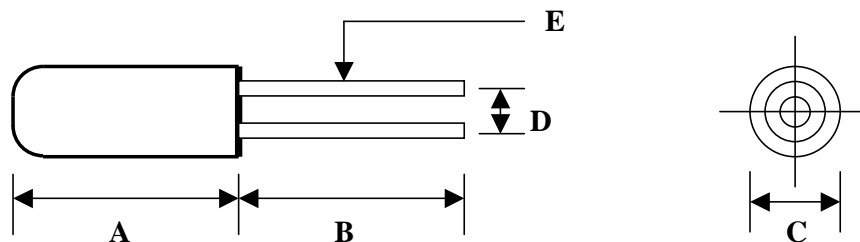
PARAMETERS		QTF-38	QTF-26
Mode of Vibration		+2° X-cut ,Fundamental	
Nominal Frequency	F	32768Hz	
Load Capacitance	C <sub>L</sub>	12.5 PF Typical	
Frequency Tolerance at 25°C		± 20 ppm or ± 100 ppm	
Series Resistance	R <sub>r</sub>	35 KW Max.	40 KW Max.
Quality Factor	Q	50K Min.	40K Min.
Turnover Temperature	T <sub>o</sub>	25 °C ± 5°C	
Temperature Coefficient	K	-0.035 ppm/°C Typical	
Operation Temperature		-10°C ~ +60°C	
Shunt Capacitance	C <sub>o</sub>	1.8PF Typical	1.5PF Typical
Aging 1st Year	Df/f	± 5 ppm max.	
Shock Resistance		± 5 ppm max.	
Capacitance Ratio	C <sub>o</sub> /C	520 Typical	470 Typical
Insulation resistance		500MW at DC 100V ± 15V	
Drive Level		1 mW	

※ Frequency 25KHz ~ 150KHz is also available on request

### STANDARD FREQUENCY

OTHER FREQUENCY	25 KHz	25.6 KHz	30.72 KHz	31.25 KHz
	31.5 KHz	34.637 KHz	38 KHz	38.4 KHz
	39.5 KHz	40 KHz	65.536 KHz	75 KHz
	76.8 KHz	77.5 KHz	100 KHz	120 KHz
	150 KHz	153.6 KHz		

### DIMENSION ( mm )



TYPE	A	B	C	D	E
QTF-38	8.3 max.	10.5	3.0 max	1.1	φ 0.35
QTF-26	6.3 max.	6.0	2.0 max	0.7	φ 0.25