

TUNING FORK CRYSTAL UNITS (Cylinder Type)

RoHS Compliant Standard

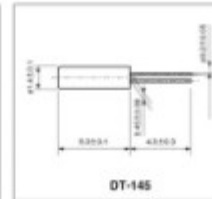
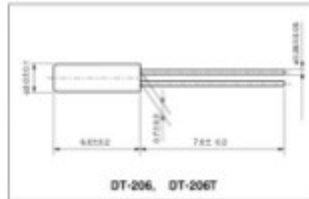
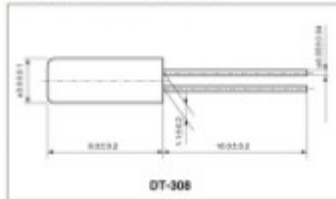
DT-308



FEATURES

- Best suited for portable devices with low current consumption.
- For a clock source in digital equipment.

DIMENSION [mm]



STANDARD SPECIFICATIONS

Item	Model	DT-308	DT-206	DT-145	DT-206T	Conditions
Nominal Frequency	f_0	32.768kHz			30kHz~100kHz	Need to contact us for the available frequency in CVF-206
Frequency Tolerance	$\Delta f/f_0$	± 20 ppm			± 30 ppm	at 25°C
Load capacitance	C_L	12.5pF		8.0pF	12.5pF	Need to specify your requirement
Operating Temperature Range	T_{OPR}	-20°C ~ +70°C				
Storage Temperature Range	T_{STR}	-40°C ~ +85°C				
Turnover Temperature	T_{tr}	25°C \pm 5°C				
Temperature Coefficient	β	-0.034 \pm 0.006ppm/C ²				See figure 2 in P4
Motional (series) resistance	R_1	35K Ω Max.		40K Ω Max.	50K Ω Max.	at 25°C
Level of drive	D_s	1 μ W Max.				
Aging (first year)	$\Delta f/f_0$	± 3 ppm Max.			± 5 ppm Max.	25°C \pm 3°C
Quality Factor	Q	85000 Typ.	70000 Typ.	85000 Typ.	70000~100000 Typ.	Depend on frequency
Shunt capacitance	C_0	1.6pF Typ.	1.35pF Typ.	1.00pF Typ.	0.8~1.7pF Typ.	Depend on frequency