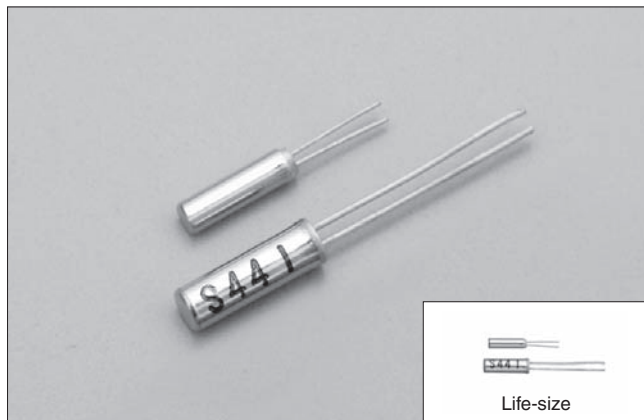


TUNING FORK CRYSTAL UNITS (Cylinder Type)

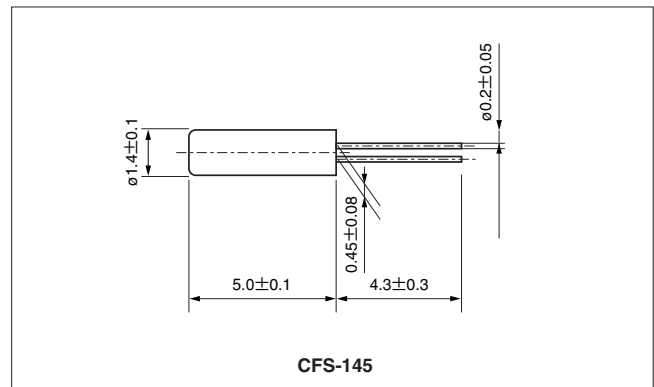
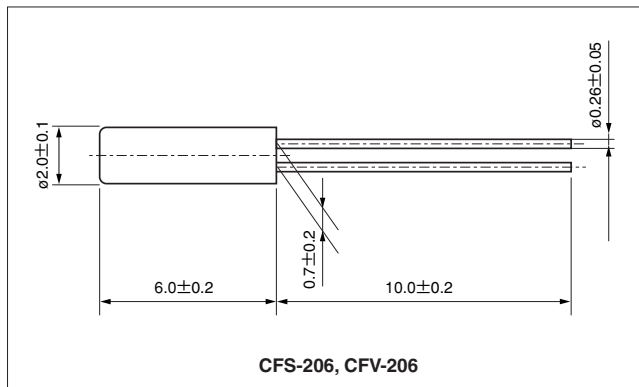
CFS-206·CFS-145·CFV-206



FEATURES

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

DIMENSION [mm]



STANDARD SPECIFICATIONS

Item	Model	CFS-206	CFS-145	CFV-206	Conditions
Nominal Frequency	f ₀	32.768kHz		30kHz~100kHz	Need to contact us for the available frequency in CFV-206
Frequency Tolerance	△ f/f ₀	±20ppm		±30ppm	
Load capacitance	C _L	12.5pF	8.0pF	12.5pF	Need to specify your requirement
Operating Temperature Range	T _{OPR}	-20℃ ~ +70℃			
Storage Temperature Range	T _{STR}	-40℃ ~ +85℃			
Turnover Temperature	T _M	25℃ ±5℃			See figure 2 in P4
Temperature Coefficient	β	-0.034±0.006ppm/℃ ²			
Motional (series) resistance	R ₁	35K Ω Max.	40K Ω Max.	50K Ω Max.	at 25℃
Level of drive	D _L	1 μ W Max.			
Aging (first year)	△ f/f ₀	±3ppm Max.		±5ppm Max.	25℃ ±3℃
Quality Factor	Q	70000 Typ.	85000 Typ.	70000~100000 Typ.	Depend on frequency
Shunt capacitance	C ₀	1.35pF Typ.	1.00pF Typ.	0.8~1.7pF Typ.	Depend on frequency