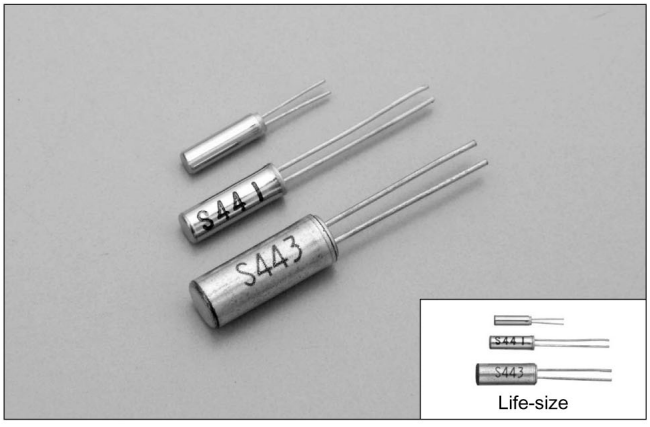
TUNING FORK CRYSTAL UNITS (Cylinder Type)

RoHS Compliant Optional

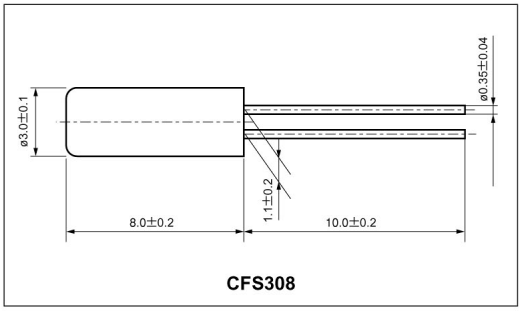
CFS308·CFS206·CFS145·CFV206



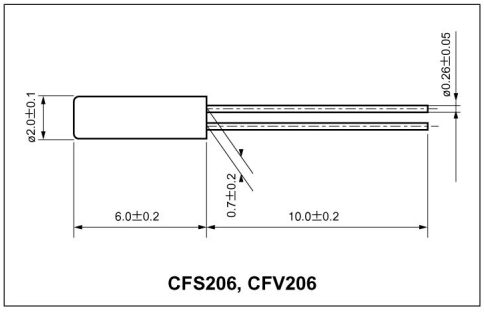
■FEATURES

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

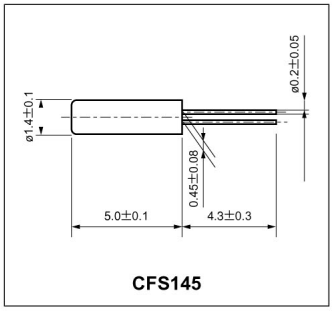
■DIMENSION [mm]



CFS308



CFS206, CFV206



CFS145

■STANDARD SPECIFICATIONS

Item \ Model		CFS308	CFS206	CFS145	CFV206	Conditions
Nominal Frequency	f_0	32.768kHz			30kHz～100kHz	Need to contact us for the available frequency in CFV-206
Frequency Tolerance	$\triangle f/f_0$	±20ppm			±30ppm	at 25˚C
Load capacitance	C_L	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	35KΩMax.		40KΩMax.	50KΩMax.	at 25˚C
Level of drive	D_L	1μW Max.				
Aging (first year)	$\triangle f/f_0$	±3ppm Max.			±5ppm Max.	25℃±3℃
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