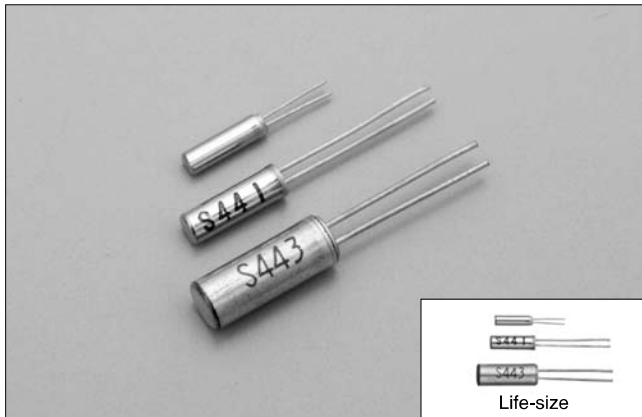


# TUNING FORK CRYSTAL UNITS (Cylinder Type)

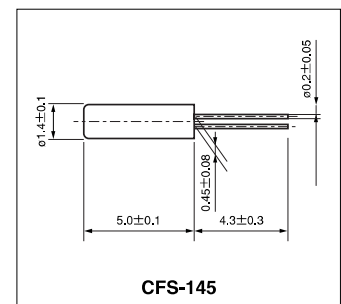
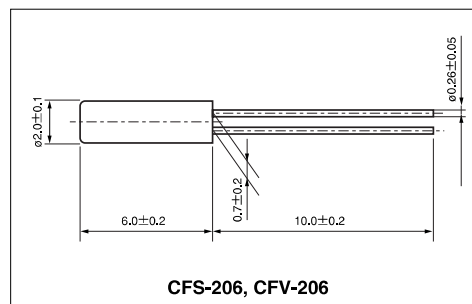
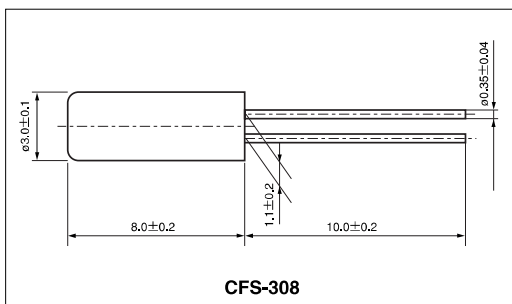
RoHS Compliant Standard **CFS-308·CFS-206·CFS-145·CFV-206**



## FEATURES

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

## DIMENSION [mm]



## STANDARD SPECIFICATIONS

| Item                         | Model          | CFS-308                               | 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          | $\Delta f/f_0$ | $\pm 20\text{ppm}$                    |             |                   | $\pm 30\text{ppm}$     | 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         | $T_M$          | 25°C $\pm$ 5°C                        |             |                   |                        | See figure 2 in P4  |
| Temperature Coefficient      | $\beta$        | -0.034 $\pm$ 0.006ppm/°C <sup>2</sup> |             |                   |                        |   |
| Motional (series) resistance | $R_1$          | 35K $\Omega$ Max.                     |             | 40K $\Omega$ Max. | 50K $\Omega$ Max.      | at 25°C   |
| Level of drive               | $D_L$          | 1 $\mu$ W Max.                        |             |                   |                        |   |
| Aging (first year)           | $\Delta f/f_0$ | $\pm 3\text{ppm}$ Max.                |             |                   | $\pm 5\text{ppm}$ 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                                       |

SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

18924600166 QQ: 857950243 <http://www.vc-tcxo.com>