

# FCom Tuning Fork Crystal

## Series FCT-2M

SMD 32.768 kHz Crystal 2.0×1.2 mm



### Feature

- Ultra small size 2.0×1.2×0.6 mm
- High reliability environmental performance
- High frequency stability and high precision
- RoHS and REACH Compliant , Pb-free

### Application

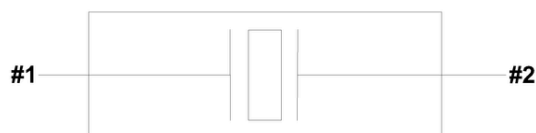
- Consumer products
- Small mobile devices
- Industrial electronic equipment
- Communication devices

### ELECTRICAL SPECIFICATIONS

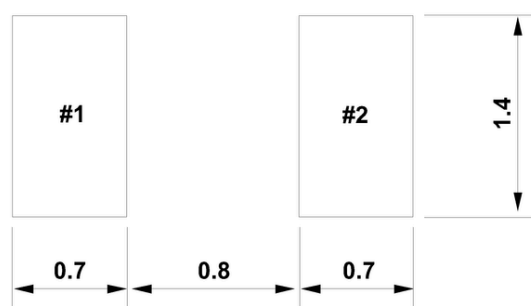
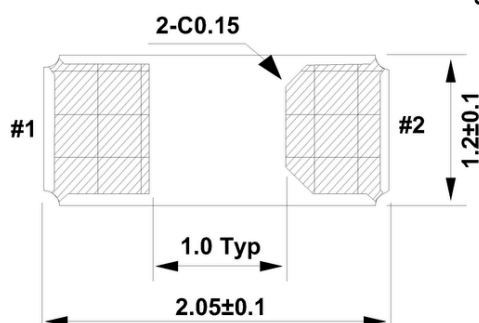
| Parameters                       | Symbol | Min.                     | Typ. | Max. | Units              | Notes                                                                                         |
|----------------------------------|--------|--------------------------|------|------|--------------------|-----------------------------------------------------------------------------------------------|
| Nominal Frequency                | F      | 32.768                   |      |      | kHz                | Test condition<br><br>Ambient temperature:<br>25 ± 5°C<br><br>Relative humidity:<br>40% ~ 70% |
| Frequency Tolerance<br>(at 25°C) | FT     | ± 5, ± 10, ± 20          |      |      | ppm                |                                                                                               |
|                                  |        | ± 10, ± 20, ± 30         |      |      | ppm                |                                                                                               |
|                                  |        | ± 10, ± 20, ± 30         |      |      | ppm                |                                                                                               |
| Operating Temperature            | Topr   | -40                      | 25   | 125  | °C                 |                                                                                               |
| Load Capacitance                 | CL     | 6, 7, 9, 12.5 or specify |      |      | pF                 |                                                                                               |
| Drive Level                      | DL     | -                        | 0.1  | 0.5  | uW                 |                                                                                               |
| Equivalent Series Resistance     | ESR    | -                        | -    | 70   | Kohm               |                                                                                               |
| Shunt Capacitance                | C0     | 1.5                      |      |      | pF                 |                                                                                               |
| Temperature Coefficient          | -      | -0.036±0.005             |      |      | ppm/T <sup>2</sup> |                                                                                               |
| Insulation Resistance            | -      | 500                      | -    | -    | Mohm               | DC100V±15V                                                                                    |
| Aging                            | -      | ± 3                      |      |      | ppm                | 1st Year                                                                                      |

**Note :** The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

### DIMENSION(mm)



Connection



Suggested Layout