

# Tuning Fork Crystals

Cardinal's tuning fork crystals provide a cost-effective approach for time-management products.

**Series CTF6  
CTF8**



## Part Numbering Example: CTF6 - A1 B2 C3 50 - 32.768K D12.5

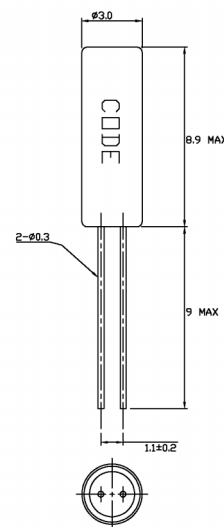
| CTF6   |                | A*                  | C3        | 32.768K   | D12.5           |
|--------|----------------|---------------------|-----------|-----------|-----------------|
| SERIES | ADDED FEATURES | OPERATING TEMP.     | TOLERANCE | FREQUENCY | LOAD CAP.       |
| CTF6   | Call Marketing | A0 = -10°C ~ +60°C  | C1 = ±100 |           | D6 = 6.0 pF     |
| CTF8   |                | A1 = -10°C ~ +70°C  | C2 = ± 50 |           | D12.5 = 12.5 pF |
|        |                | A2 = -40°C ~ +85°C  | C3 = ± 30 |           |                 |
|        |                | A3 = -55°C ~ +125°C | C4 = ± 10 |           |                 |

*\*NOTE: The above ABC combinations cover basic specification options. We tailor our crystal specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.*

### Specifications:

|                                 |                                      |           |
|---------------------------------|--------------------------------------|-----------|
| <b>Frequency Range:</b>         | 32.768 KHz                           | Standard  |
|                                 | 30.000 ~ 200.000 KHz                 | Available |
| <b>Operating Temperature:</b>   | -10°C ~ +60°C                        | Standard  |
| <b>Temperature Coefficient:</b> | -(0.035 ± 0.008) ppm/°C <sup>2</sup> | BT - CUT  |
| <b>Frequency Tolerance:</b>     | ±30 ppm                              | Standard  |
|                                 | (at 25°C)                            |           |
| <b>Load Capacitance:</b>        | 12.5 pF, 6.0 pF                      |           |
| <b>Resistance:</b>              | 50,000Ω Max                          | (BT Cut)  |
| <b>Standard:</b>                | Shunt Capacitance: 1.7 pF Max        |           |
|                                 | Aging: ± 3 ppm Max first year        |           |
|                                 | Drive Level: 1 μW Max                |           |
| <b>Optional Features:</b>       | Call Marketing                       |           |

### CTF8



### CTF6

