

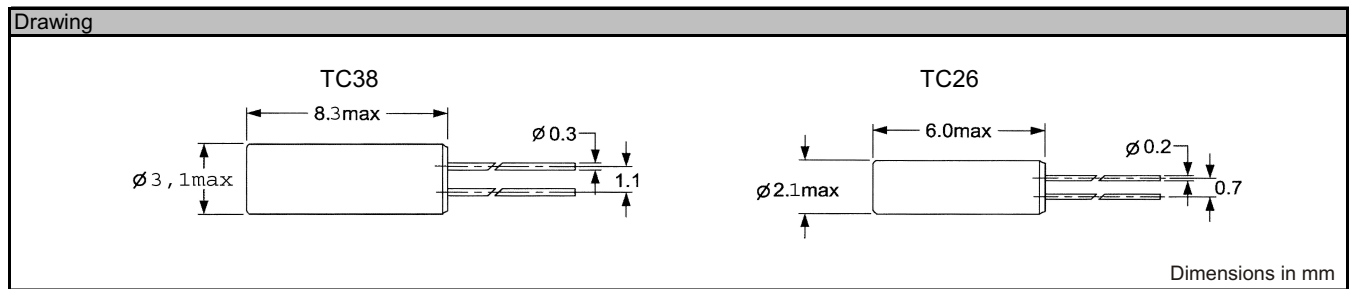
TC38
TC26

Features:

- Small size
- Tuning fork reliability
- Thru-hole package
- Wide frequency range

| Specifications | | | | | |
|------------------------------|-------------------------|------------------|--|------------|------------------------------|
| | | Symbol | TC-38 | TC-26 | Remarks |
| Frequency range | | f | 32.768kHz | | Standard |
| | | | 20kHz ~ 200kHz | | Available |
| Frequency tolerance, Ta=25°C | | f/f | ± 20ppm ~ ± 50ppm | | Others are offered |
| Load capacitance | | C _L | 6pF ~ 12.5pF | | Please specify |
| Temp. coefficient | | A | -0,04 x 10 ⁻⁶ / °C ² | | Max |
| Temperature range | Storage temp. | T _{STG} | -30°C ~ +85°C | | Others are offered |
| | Operating temp. | T _{OPR} | -10°C ~ +60°C | | Standard, others are offered |
| Drive level | Maximum drive level | M _{DL} | 1μW | | |
| | Recommended drive level | R _{DL} | - | | |
| Series resistance | | R ₁ | 35kOhm max | 50kOhm max | As per table (25°C) |
| Shunt capacitance | | C ₀ | 5pF | | Max |
| Insulation resistance | | I _R | 500M Ohm | | |
| Aging | | f _A | ± 5ppm/Year | | Max |

| Resistance of series resonance (ESR) | | | | | | |
|--------------------------------------|-------------|---------|--|--------------------|-------------|---------|
| Frequency | Mode | Ohm max | | Frequency | Mode | Ohm max |
| 30kHz ≤ f < 40kHz | Fundamental | 50k | | 60kHz ≤ f < 70kHz | Fundamental | 25k |
| 40kHz ≤ f < 60kHz | Fundamental | 30k | | 70kHz ≤ f < 200kHz | Fundamental | 22k |



| Order key | | | | | |
|-----------|--------------|--------------|---------------------|---|------------------|
| Q | - 32.768000K | - TC38 | - 30 | - B | - 12.5 |
| Part | Frequency | Package | Frequency tolerance | Temperature range | Load capacitance |
| Q=Quartz | K=kHz | TC38 TC26 | +/-ppm (25°C) | A= 0°C ~ 70°C B=-10°C ~ 60°C C=-10°C ~ 70°C D=-20°C ~ 70°C E=-40°C ~ 85°C | pF |

Remarks: All specifications subject to change without notice!