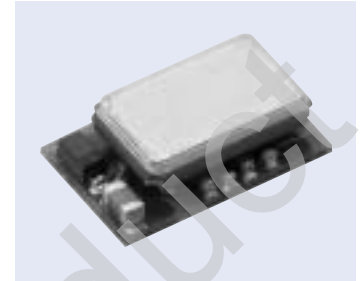


Product Data (VC-TCXO/TCXO)

TCO-9141, 9140 (0.024cc)

Features

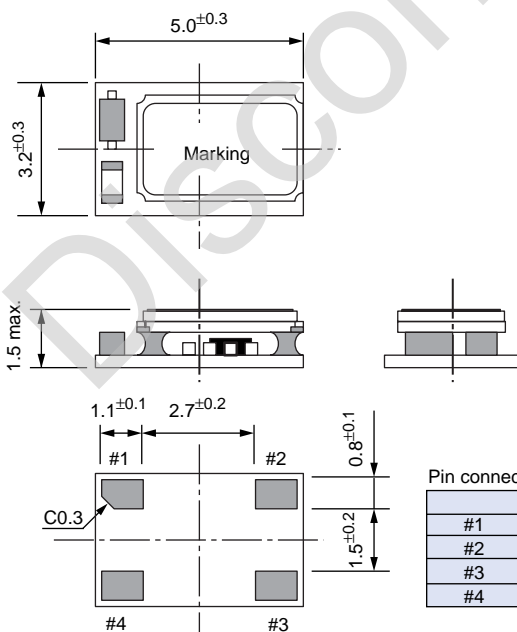
- Miniature size: 5W × 3.2D × 1.5H mm
- Surface mountable
- Low phase noise (−140dBc/Hz Max. @1kHz offset)



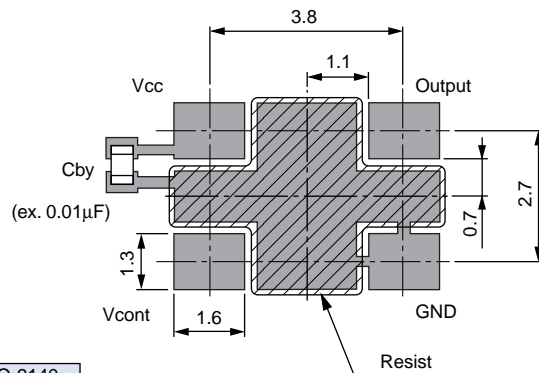
Specifications

| Type | TCO-9141 | TCO-9140 |
|-------------------------|---|--|
| Standard frequency | 13 to 26 MHz | |
| Supply voltage | +3 V±5% | |
| Supply current | 2 mA Max. | |
| Output level | 0.8 Vp-p Min. (DC-cut, clipped sinewave) 10 kΩ // 10 pF | |
| Frequency stability | vs Temperature | ±2.5 ppm Max. / −30 to +75°C (referred to +25°C) |
| | vs Supply voltage | ±0.3 ppm Max. / +3 V±5% |
| | vs Load | ±0.2 ppm Max. (10 kΩ±1 kΩ // 10 pF±1 pF) |
| | Frequency tolerance | ±4 ppm Max. / +25°C±2°C (after reflow) |
| | Aging | ±1 ppm Max. / year |
| Frequency control range | ±8 ppm Min. / +1.5 V±1 V | — |

External Dimensions [mm]



Footprint [mm]



| Pin connections | TCO-9141 | TCO-9140 |
|-----------------|----------|----------|
| #1 | Vcont | N.C. |
| #2 | GND | |
| #3 | Output | |
| #4 | Vcc | |