

**Product Data (VCXO)**

**TCO-2100 Series**

**Features**

- TTL or CMOS output
- Surface mountable
- Wide frequency control range

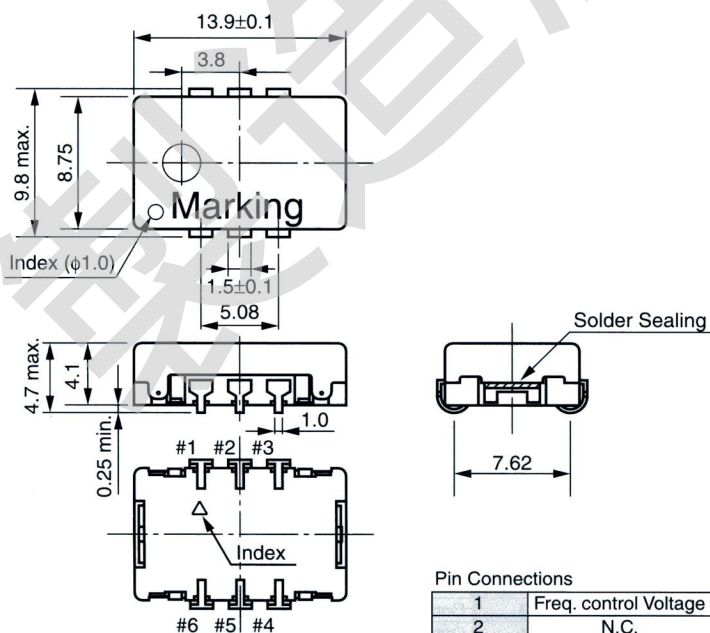


**Specifications**

| TYPE                      |                   | TCO-2101A                                       | TCO-2103A | TCO-2104A              |
|---------------------------|-------------------|---|-----------|------------------------|
| Standard frequency        |                   | 32.768, 44.736, 51.84 MHz                       |           |                        |
| Supply voltage            |                   | +5.0V±5%  |           | +3.3V±5%               |
| Supply current            |                   | 30 mA Max.                                      |           |                        |
| Output level              |                   | TTL   |           | CMOS                   |
| Load                      |                   | Fanout-2  |           | 15pF Max.              |
| Frequency stability       | vs Temperature    | ±30 ppm Max./-40°C to +85°C (referred to +25°C) |           |                        |
|                           | vs Supply voltage | ±5.0 ppm Max./+5.0V±5%                          |           | ±5.0 ppm Max./+3.3V±5% |
|                           | Aging             | ±5.0 ppm Max./year                              |           |                        |
| Frequency control range   |                   | ±100 ppm Min.                                   |           |                        |
| Frequency control voltage |                   | +2.5V±2.0V                                      |           | +1.65V±1.65V           |
| Available frequency range |                   | 8 ~ 78 MHz                                      |           |                        |

**Outline Drawing [mm]**

[TCO-2101A, 2103A, 2104A]



Pin Connections

|   |                       |
|---|-----------------------|
| 1 | Freq. control Voltage |
| 2 | N.C.                  |
| 3 | Common and Case       |
| 4 | Output                |
| 5 | N.C.                  |
| 6 | Supply Voltage        |