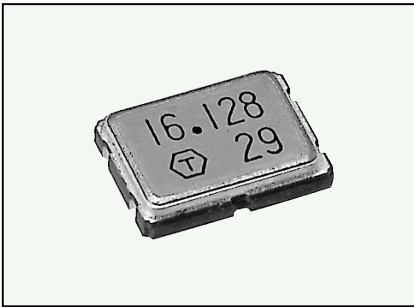


Crystal Units



# TSX-1A

Ceramic Seam Weld

## Features

- Miniature size low profile unit (7.0 X 5.0 X 1.2 mm max.)
- Excellent shock-proof characteristics (10,000 G min.)
- High reliable LCC package
- Available to Surface Mount Technology and IR-reflow process

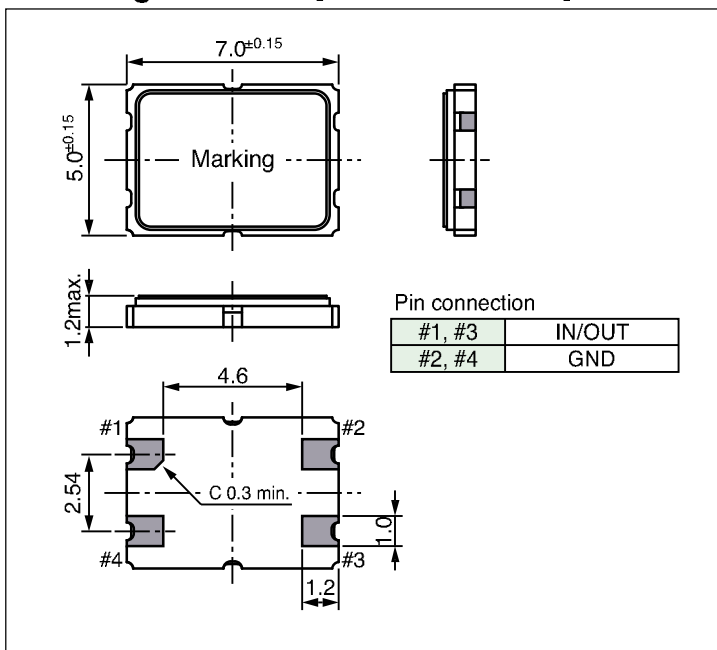
## Application

- Reference oscillator
- 1st local oscillator
- 2nd local oscillator

## Specifications

Type	TSX-1A
Frequency range	10.368 MHz to 150 MHz
Mode of vibration	Fundamental, 3rd, 5th
Frequency tolerance	±10 ppm (at +25 °C ±2°C)
Frequency stability	±10 ppm (-30 °C to +85 °C, Ref. 25 °C)
Load capacitance (C <sub>L</sub> )	Series, 20 pF, 30 pF, etc.
Resonance resistance (R <sub>r</sub> )	Fundamental : 40 Ω max. / 3rd : 50 Ω max. / 5th : 80 Ω max.
Drive level	100 μW max.
Aging	±1.0 ppm max. / year

## Package Outlines [Dimensions in mm]



## Footprint [Dimensions in mm]

