

Crystal Units



# TSX-4025 (previously TSX-10A)

Ceramic Seam Weld

## Features

- Ultra miniature size low profile unit  
W:4.0 ,D: 2.5 ,H: 0.7 max. (in mm)
- Excellent shock-proof characteristics (10,000 G min.)
- High reliable LCC package
- Available to Surface Mount Technology and IR-reflow process

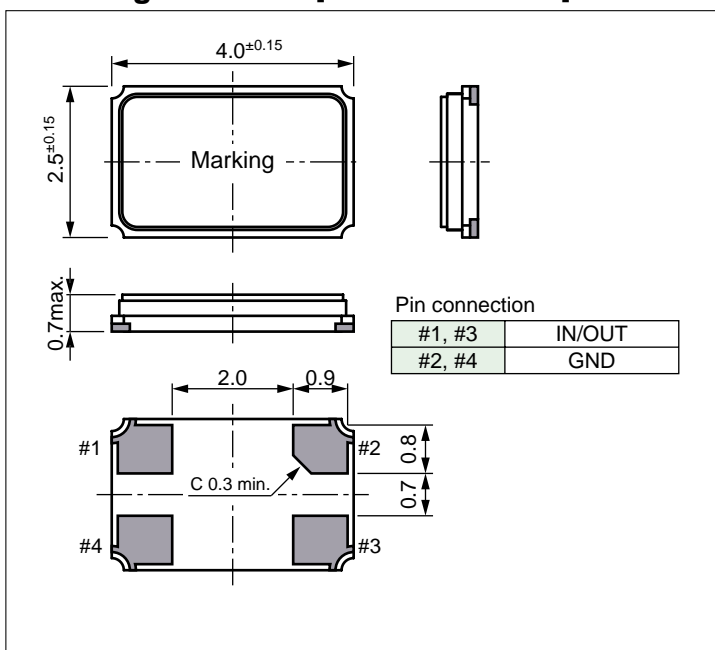
## Application

- Reference oscillator
- Bluetooth
- DSC,DVC

## Specifications

Type	TSX-4025
Frequency range	12 MHz to 32 MHz
Mode of vibration	Fundamental
Frequency tolerance	±10 ppm (at +25 °C ±2°C)
Frequency stability	±10 ppm (-20 °C to +75 °C, Ref. 25 °C)
Load capacitance (C <sub>L</sub> )	Series, 9 pF, 12 pF, 16 pF, etc.
Resonance resistance (R <sub>r</sub> )	12 to 16MHz : 60 Ω max. / 17 to 32MHz : 40 Ω max.
Drive level	100 μW max.
Aging	±1.0 ppm max. / year

## Package Outlines [Dimensions in mm]



## Footprint [Dimensions in mm]

