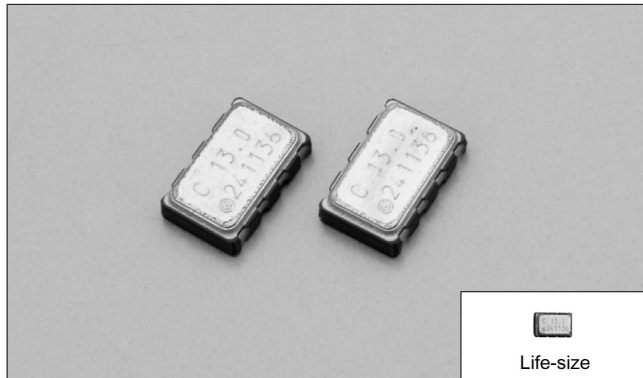


# TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (SMD • Ceramic Package)

RoHS Compliant Standard

CSX532T

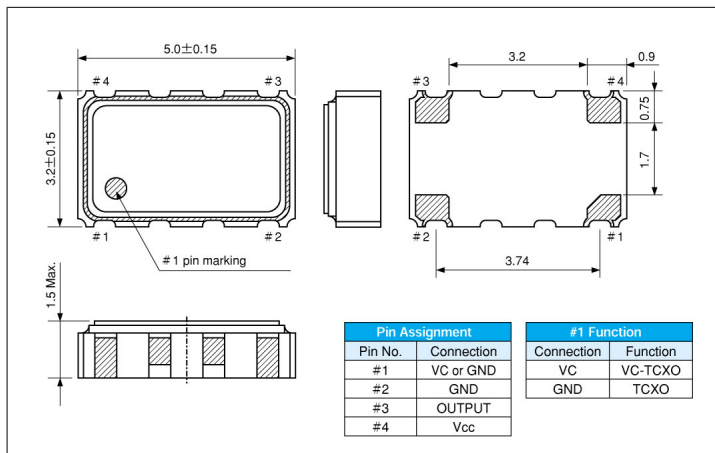
2000pcs/reel



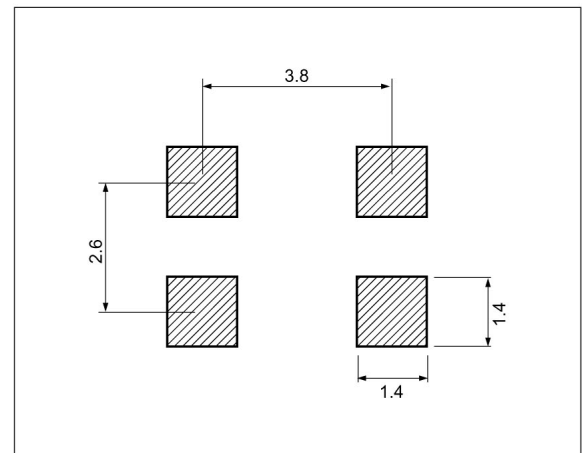
## FEATURES

- With the function of frequency and voltage control .
- Available in 2.4V low voltage drive.
- Low current consumption.
- Automatic mounting and reflowable Type.
- Complete Pb free product.
- Most appropriate for Cellular phone, GPS and other equipment with telecommunication devices.

## DIMENSION [mm]



## SOLDER PAD LAYOUT [mm]



## STANDARD SPECIFICATIONS

| Item                        | Model             | CSX532T                                                   |            |                                        |            |
|-----------------------------|-------------------|-----------------------------------------------------------|------------|----------------------------------------|------------|
| Nominal Frequency           | f <sub>0</sub>    | 12.8MHz , 13.0MHz                                         | 14.4MHz    | 16.8MHz , 19.2MHz , 19.68MHz , 19.8MHz | 26.0MHz    |
| Frequency Stability         | △f/f <sub>0</sub> | ±2.5ppm / (−30℃～+75℃)                                     |            |                                        |            |
| Operating Temperature Range | T <sub>OPR</sub>  | −30℃～+75℃                                                 |            |                                        |            |
| Storage Temperature Range   | T <sub>STR</sub>  | −40℃～+85℃                                                 |            |                                        |            |
| Supply Voltage              | V <sub>dd</sub>   | 2.4V ~ 3.0V                                               |            |                                        |            |
| Frequency adjustment range  | △f <sub>C</sub>   | ±8ppm Min. / (V <sub>cont</sub> =V <sub>dd</sub> /2±1.0V) |            |                                        |            |
| Current consumption         | I <sub>dd</sub>   | 1.0mA Max.                                                | 1.2mA Max. |                                        | 1.5mA Max. |
| Output Voltage              | V <sub>OUT</sub>  | 0.8Vp-p Min. (10kΩ/10pF)                                  |            |                                        |            |
| Start-up time               | T <sub>ST</sub>   | 5.0 msec Max.                                             |            | 3.5 msec Max.                          |            |
| Aging (first year)          | F <sub>A</sub>    | ±1.0ppm / year Max.                                       |            |                                        |            |