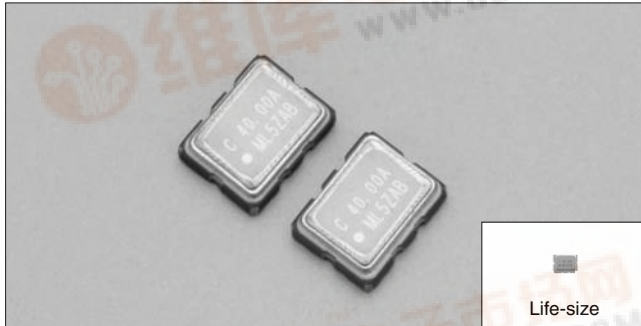


## CSX-325M SERIES

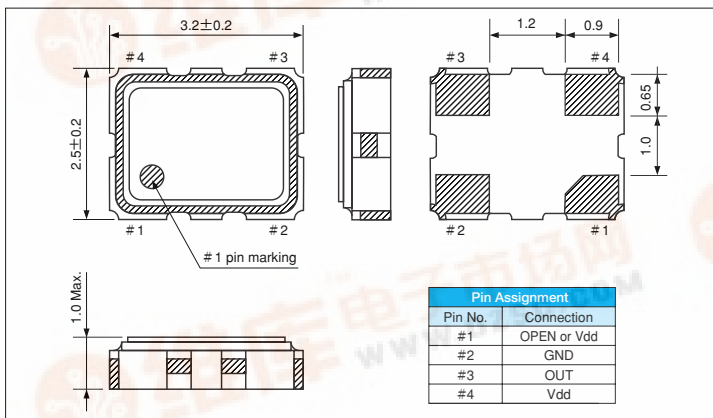
2000pcs/reel



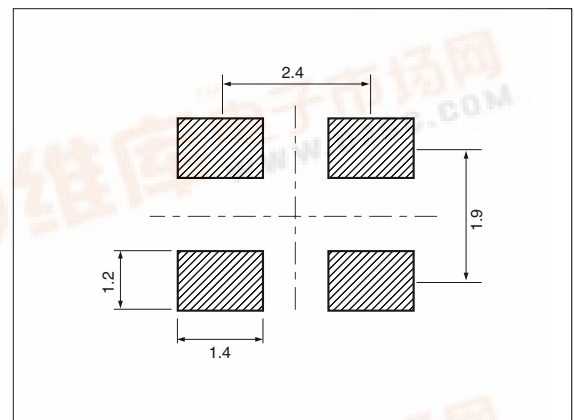
### FEATURES

- Wide range high frequency stability.
- High-density SMD type.
- Ultra-light weight and ultraminiature size.
- Low current consumption.
- Suitable for high stability applications such as communication devices and wireless LAN.

### DIMENSION [mm]



### SOLDER PAD LAYOUT [mm]



### STANDARD SPECIFICATIONS

\* Model is determined by the supply voltage and the frequency stability.

| Item                        | Model                | CSX-325M (@) (*)                                                                 |                   |                   |
|-----------------------------|----------------------|----------------------------------------------------------------------------------|-------------------|-------------------|
| Frequency Range             |                      | 12.500MHz~54.000MHz                                                              |                   |                   |
| Supply Voltag               | (@)                  | M : Vdd=1.8V±0.1V                                                                | H : Vdd=2.5V±0.1V | J : Vdd=3.3V±0.1V |
| Frequency Stability         | (*)                  | G : ±10ppm, J : ±20ppm, D : ±30ppm, M : ±20ppm(−40℃~+85℃), N : ±30ppm(−40℃~+85℃) |                   |                   |
| Operating Temperature Range |                      | −20℃~+70℃ (−40℃~+85℃)                                                            |                   |                   |
| Storage Temperature Range   |                      | −55℃~+125℃                                                                       |                   |                   |
| Current consumption         | (No load)            | 5mA Max. (<30.0MHz) / 7mA Max. (<54.0MHz)                                        |                   |                   |
| Duty                        | CMOS level (1/2 Vdd) | 40~60%                                                                           |                   |                   |
| Output Voltage              | V <sub>OH</sub>      | 0.8Vdd Min.                                                                      |                   |                   |
|                             | V <sub>OL</sub>      | 0.2Vdd Max.                                                                      |                   |                   |
| Output Load                 |                      | CMOS 15pF Max.                                                                   |                   |                   |
| Rise and Fall Time          | 0.2Vdd⇔0.8Vdd        | 10 nsec Max.                                                                     |                   |                   |
| Start-up time               |                      | 10 msec Max.                                                                     |                   |                   |
| Aging (first year)          |                      | ±2ppm / year Max.                                                                |                   |                   |