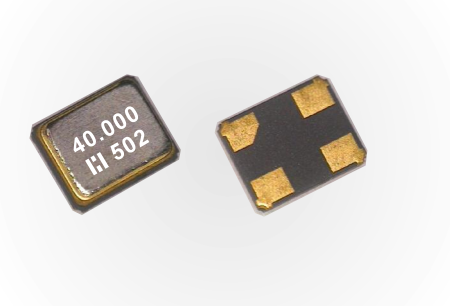


## • E2SB Series 2.5\*2.0 Seam Sealing Crystal



### FEATURES

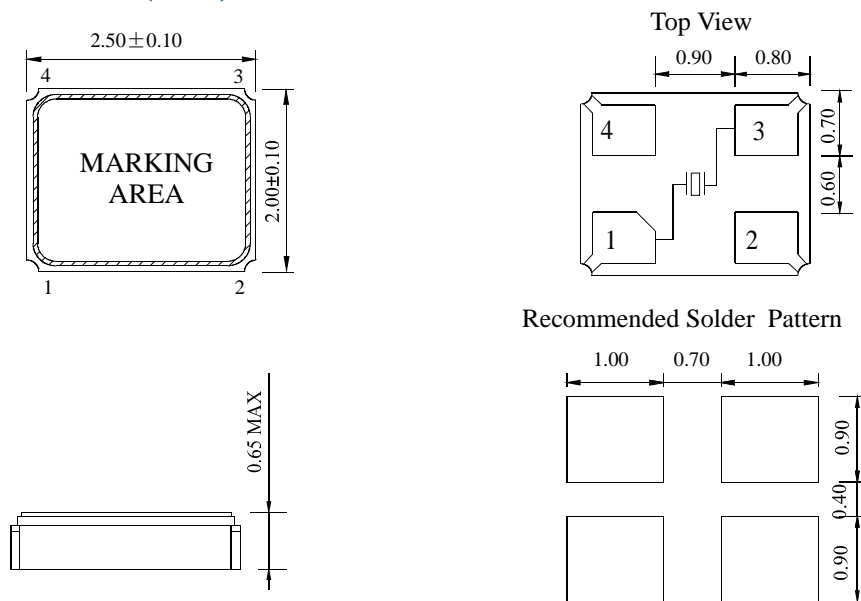
- Very Compact and thin (2.5\*2.0\*0.65mm max.)
- Frequency range of 12M to 62.5M with Fund
- Excellent electrical performance, ideal for OA (office automation), AV (audiovisual), Bluetooth and Wireless LAN applications
- Excellent heat resistance and shock resistance
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder

### Electrical Specifications

| Item                         | Type             | E2SB   |                   |                  |                  |
|------------------------------|------------------|--|-------------------|------------------|------------------|
|                              |                  | 12 to 15.999MHz  | 16 to 19.999MHz   | 20 to 25.999MHz  | 26 to 62.500MHz  |
| Frequency Range              | F0               | 12 to 15.999MHz  | 16 to 19.999MHz   | 20 to 25.999MHz  | 26 to 62.500MHz  |
| Mode of Vibration            |                  | Fundamental  |                   |                  |                  |
| Load Capacitance             | CL               | 8 to 16pF  |                   |                  |                  |
| Frequency Tolerance          | $\Delta F/F_0$   | $\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (At 25°C)       |                   |                  |                  |
| Equivalent Series Resistance | ESR              | 120 $\Omega$ max.  | 100 $\Omega$ max. | 80 $\Omega$ max. | 50 $\Omega$ max. |
| Temperature Stability        | TC               | $\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (Refer to 25°C) |                   |                  |                  |
| Operating Temperature Range  | T <sub>OPR</sub> | -20~+70°C, -30~+85°C Option  |                   |                  |                  |
| Storage Temperature Range    | T <sub>STG</sub> | -55~+125°C   |                   |                  |                  |
| Shunt Capacitance            | C <sub>O</sub>   | 3pF max.   |                   |                  |                  |
| Insulator Resistance         | IR               | 500M $\Omega$ min. (At 100V <sub>DC</sub> )                            |                   |                  |                  |
| Drive Level                  | DL               | 50 $\mu$ W (100 $\mu$ W max.)  |                   |                  |                  |
| Aging                        | Fa               | $\pm 2\text{ppm}$ max. (At 25°C, First year)                           |                   |                  |                  |
| Packing Unit                 |                  | 3000pcs/reel   |                   |                  |                  |

\*\*Please contact us for inquiries regarding other Specifications

### Mechanical Dimensions(mm)



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