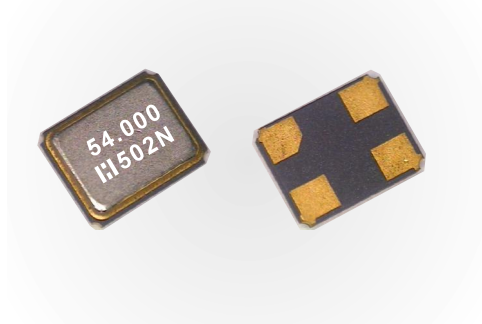




• E3SB Series 3.2*2.5 Seam Sealing Crystal



FEATURES

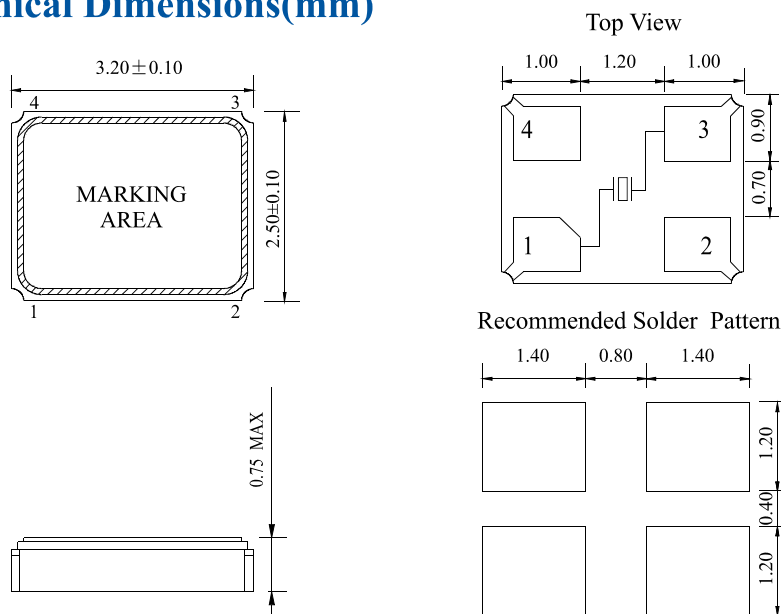
- Compact and thin (3.2X2.5X0.75mm max.)
- Excellent electrical performance, ideal for OA (office automation), AV (audiovisual), Bluetooth and Wireless LAN applications
- Excellent heat resistance and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder

Electrical Specifications

| Item | Type | E3SB | | | | |
|------------------------------|------------------|---|-------------------|------------------|------------------|-------------------|
| | | 10 to 11.999MHz | 12 to 19.999MHz | 20 to 23.999MHz | 24 to 64.000MHz | 64 to 115.000MHz |
| Frequency Range | F0 | 10 to 11.999MHz | 12 to 19.999MHz | 20 to 23.999MHz | 24 to 64.000MHz | 64 to 115.000MHz |
| Mode of Vibration | | Fundamental | | | | 3RD |
| Load Capacitance | CL | 6 to 20pF | | | | |
| Frequency Tolerance | $\Delta F/F0$ | $\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}(\text{At } 25^\circ\text{C})$ | | | | |
| Equivalent Series Resistance | ESR | 150 Ω max. | 100 Ω max. | 70 Ω max. | 50 Ω max. | 100 Ω max. |
| Temperature Stability | TC | $\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}(\text{Refer to } 25^\circ\text{C})$ | | | | |
| Operating Temperature Range | T _{OPR} | -20~+70°C, -30~+85°C Option | | | | |
| Storage Temperature Range | T _{STG} | -55~+125°C | | | | |
| Shunt Capacitance | C0 | 3pF max. | | | | |
| Insulator Resistance | IR | 500M Ω min. (At 100VDC) | | | | |
| Drive Level | DL | 100 μ W (200 μ 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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Specifications are subject to change without notice