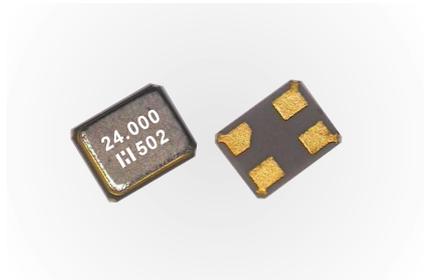


• ETAB Series 1.6*1.2 Seam Sealing Crystal



FEATURES

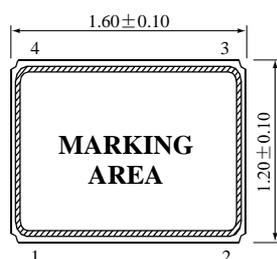
- Very compact and thin (1.6*1.2*0.37mm max.)
- Frequency range of 24 to 54M with Fund
- Ideal for Wearable device and Short-range Wireless module
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder

Electrical Specifications

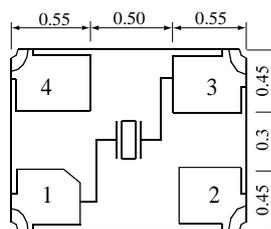
| Item | Type | ETAB | | |
|------------------------------|------------------|---|------------------|------------------|
| | | 24 to 29.999MHz | 30 to 39.999MHz | 40 to 54.000MHz |
| Frequency Range | F0 | 24 to 29.999MHz | 30 to 39.999MHz | 40 to 54.000MHz |
| Mode of Vibration | | Fundamental | | |
| Load Capacitance | CL | 8 to 16pF | | |
| Frequency Tolerance | $\Delta F/F_0$ | $\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}(\text{At } 25^\circ\text{C})$ | | |
| Equivalent Series Resistance | ESR | 100 Ω max. | 80 Ω max. | 60 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 100V _{DC}) | | |
| Drive Level | DL | 50 μ W (100 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

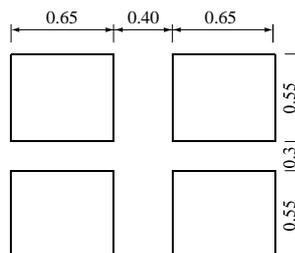
Mechanical Dimensions(mm)



Top View



Recommended Solder Pattern



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