

• E5FA Series 5.0*3.2 Glass Sealing Crystal



FEATURES

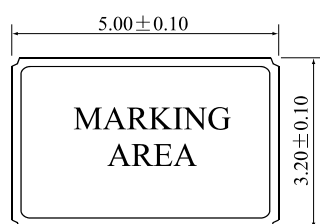
- compact and thin (5.0*3.2*1.4mm max.)
- Suitable for various applications
- Primary solution for DIP type crystal design looking to consider a switch to SMD type
- ROHS compliant

Electrical Specifications

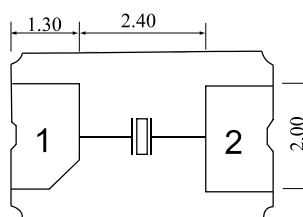
| Item | Type | E5FA | | | | |
|------------------------------|------------------|--|------------------|------------------|------------------|--------------------------|
| | | 8 to 9.999MHz | 10 to 11.999MHz | 12 to 23.999MHz | 24 to 54.000MHz | 48 to 80.000MHz |
| Frequency Range | F0 | 8 to 9.999MHz | 10 to 11.999MHz | 12 to 23.999MHz | 24 to 54.000MHz | 48 to 80.000MHz |
| Mode of Vibration | | Fundamental | | | | 3 rd Overtone |
| Load Capacitance | CL | 10pF to Series | | | | |
| Frequency Tolerance | $\Delta F/F_0$ | $\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (At 25°C) | | | | |
| Equivalent Series Resistance | ESR | 120 Ω max. | 80 Ω max. | 50 Ω max. | 30 Ω max. | 70 Ω max. |
| Temperature Stability | TC | $\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (Refer to 25°C) | | | | |
| Operating Temperature Range | T _{OPR} | -20~+70°C, -30~+85°C Option | | | | |
| Storage Temperature Range | T _{STG} | -55~+125°C | | | | |
| Shunt Capacitance | C0 | 7pF max. | | | | |
| Insulator Resistance | IR | 500M Ω min. (At 100V _{DC}) | | | | |
| Drive Level | DL | 100 μ W(300 μ W max.) | | | | |
| Aging | Fa | $\pm 5\text{ppm}$ max. (At 25°C, First year) | | | | |
| Packing Unit | | 1000pcs/reel | | | | |

**Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)



Top View



Recommended Solder Pattern

