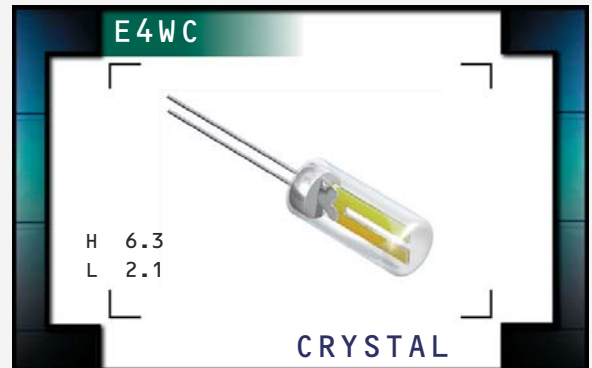


E4WC Series

- 32.768kHz watch crystal
- Miniature cylindrical package
- ± 20 ppm frequency tolerance
- 6.0pF or 12.5pF Parallel Resonant load capacitance available



NOTES

ELECTRICAL SPECIFICATIONS

| | |
|------------------------------------|---|
| Frequency | 32.768kHz |
| Frequency Tolerance (at 25°C) | ± 20 ppm |
| Frequency Stability | -0.042ppm / $(\Delta^\circ\text{C})^2$ Maximum, Parabolic; Turn Over Temperature at 25°C $\pm 5^\circ\text{C}$ |
| Operating Temperature Range | -10°C to +60°C |
| Aging (at 25°C) | ± 5 ppm / year Maximum |
| Storage Temperature Range | -20°C to +70°C |
| Shunt Capacitance | 0.85pF Typical, 2pF Maximum |
| Motional Capacitance | 2.0fF Typical |
| Drive Level | 1 μ Watt Maximum |
| Equivalent Series Resistance | 50,000 Ohms Maximum |
| Insulation Resistance | 100 Megaohms Minimum at 100V _{DC} |
| Load Capacitance (C _L) | 6.0pF Parallel Resonant or 12.5pF Parallel Resonant |

