



32.768 kHz WATCH CRYSTALS IN CYLINDRICAL PACKAGE - WXC15, WXC26, WXC38

FEATURES

- RoHS Compliant (Pb-Free), Design for CPU Time of Day Clocks
- Small Compact Cold Weld Aluminum Holder
- Performance with Economic Cost
- Excellent Shock Resistance and Environmental Characteristics

SPECIFICATIONS

Package Option	WXC15 = 1.5 x 5.1 mm cylindrical package WXC26 = 2.1 x 6.2 mm cylindrical package WXC38 = 3.1 x 8.3 mm cylindrical package
Standard Frequencies	32.768 kHz
Calibration Tolerance @25°C	±20 ppm Maximum
Frequency Stability Ref @25°C	Frequency shift at T°C in ppm = $-0.035 \times (T-25)^2 \pm 10\%$ (ppm)
Turnover Temperature	25°C ± 5°C on parabolic curve
Operating Temperature	-10°C to 60°C
Storage Temperature	-40°C to 85°C
Load Capacitance (CL)	WXC26 & WXC38: CL = 12.5 pF (Standard); WXC15: CL = 8.0 pF (Standard) Other CL values are available
Shunt Capacitance (Typical)	WXC15: 1.0 pF; WXC26: 1.35 pF; WXC38: 1.6 pF
Motional Capacitance (Typical)	0.003 pF
Equivalent Series Resistance	40 kOhms Maximum
Drive Level	0.001 mW Maximum
Crystal Aging	±3 ppm / year Maximum
Quality Factor (Typical)	WXC15: 80000; WXC26: 70000; WXC38: 90000
Insulation Resistance	500,000 kOhms Minimum □
Typical Part Number	WXC(15, 26, 38)-Frequency-CL-Others
P/N Example	WXC26-32K768-12.5: Watch crystal in 2.1 x 6.2 mm cylindrical package, ±20 ppm maximum @25°C, operating temperature range: -10°C to 60°C, CL: 12.5 pF

OUTLINE DRAWING

