



32.768 kHz WATCH CRYSTALS IN PLASTIC SMD PACKAGE - WXP2A

FEATURES

- RoHS Compliant, Suitable for Time of Day Clock Applications, Performance with Economic Cost
- Miniature Thermoplastic Package with 2.5 mm Height
- Excellent Shock Resistance and Environmental Characteristics
- Compatible to Citizen CM200S and Epson MC-306

SPECIFICATIONS

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	-40°C to 85°C
Storage Temperature	-55°C to 125°C
Load Capacitance (CL)	CL = 12.5 pF (Standard), Other values from 6.0 pF to 12.5 pF are available
Shunt Capacitance (Typical)	1.0 pF
Motional Capacitance (Typical)	0.0018 pF
Equivalent Series Resistance	55 kOhms Maximum
Drive Level	0.001 mW Maximum
Crystal Aging	±3 ppm / year Maximum
Insulation Resistance	500,000 kOhms Minimum □
Typical Part Number	WXP2A-Frequency-CL-Others
P/N Example	WXP2A-32K768-12.5: Watch crystal in 8.7 x 3.7 x 2.5 mm plastic SMD package, ±20 ppm maximum @25°C, operating temperature range: -40°C to 85°C, CL: 12.5 pF

OUTLINE DRAWING

