



WATCH CRYSTAL SERIES

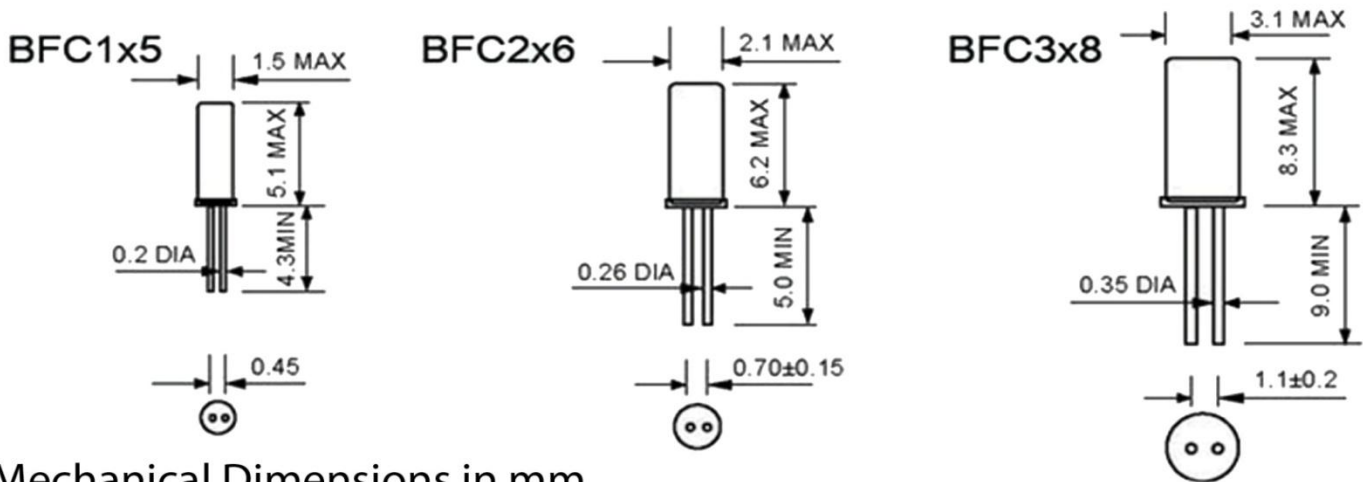
32.768 KHZ



Features:

- 32.768 kHz Frequency
- Suitable for Time of Day Clock Applications
- Performance with Economic Cost
- 1x5mm, 2x6mm or 3x8mm Can Size
- Small Compact Cold Weld Aluminum Can
- Excellent Shock Resistance
- Excellent Environmental Characteristics
- **RoHs Compliant**

| ELECTRICAL SPECIFICATIONS | |
|--------------------------------|--|
| Frequency Range | 32.768 kHz |
| Calibration Tolerance @ 25°C | ± 20ppm Maximum |
| Frequency Stability Ref @ 25°C | Frequency shift at T°C in ppm = $-0.035 \cdot (T-25)^2 \pm 10\%$ (ppm) |
| Turnover Temperature | 25°C ± 5°C on parabolic curve |
| Operating Temperature | -10 to 60°C |
| Storage Temperature Range | -40°C to 85°C |
| Load Capacitance (CL) | BFC2x6 / 3x8 CL = 12.5pF (Standard), BFC1x5 CL = 8.0pF (Standard) |
| Shunt Capacitance (Typical) | BFC1x5: 1.0pF; BFC2x6: 1.35pF; BFC3x8: 1.6pF |
| Motional Capacitance (Typical) | 0.003pF |
| Equivalent Series Resistance | 40 kOhms Maximum |
| Drive Level | 0.001 mW Maximum |
| Crystal Aging | ± 3ppm / Year Maximum |
| Insulation Resistance | 500,000 kOhms Minimum |



Mechanical Dimensions in mm