


Plastic Surface Mount Watch Crystals

- Extended operating temperature
- Two industry standard pin connections
- Uniform, stable performance

Series **CPTB**



Part Numbering Example: CPTB Z - A1 B2 C5 - 32.768K D12.5

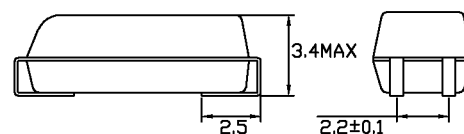
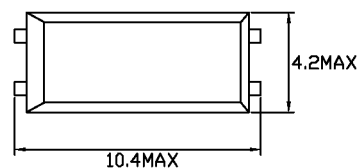
| CPTB | Z | A1* | B2 | C5 | 32.768K | D12.5 |
|--------|--|---|--|---|-----------|--------------------------------|
| SERIES | ADDED FEATURES | OPERATING TEMP. | STABILITY | TOLERANCE | FREQUENCY | LOAD CAP. |
| CPTB | BLANK = BULK PACK Z = TAPE AND REEL | A0 = -10°C ~ +60°C A1 = -10°C ~ +70°C A2 = -40°C ~ +85°C A3 = -55°C ~ +125°C | B1 = ±100 B2 = ± 50 B3 = ± 30 B4 = ± 10 | C1 = ±100 C2 = ± 50 C3 = ± 30 C4 = ± 10 C5 = ± 20 | | D6 = 6.0 pF D12.5 = 12.5 pF |

*NOTE: The above ABC combinations cover basic specification options. We tailor our crystal specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.

Specifications:

| | |
|--------------------------|--|
| Frequency Range: | 32.768 KHz Custom frequencies available. |
| Operating Temperature: | -40°C ~ +85°C <i>Standard</i> |
| Temperature Coefficient: | -(0.035 ± 0.008) ppm/°C ² |
| Frequency Tolerance: | ± 20 ppm (at 25°C) |
| Load Capacitance: | 12.5 pF Other values are available. |
| Shunt Capacitance: | 1.35 pF <i>Typical</i> |
| Resistance: | 50,000Ω Max |
| Standard: | Shunt Capacitance: 0.85 pF typ. Motional Capacitance: 2.0 fF typ. Aging: ± 3 ppm/year Max Drive Level: 1.0 μW Max Packaging: Tape & Reel (2K per Reel) |

CPT



RECOMMENDED SOLDER PAD LAYOUT

