


Plastic Surface Mount Watch Crystals

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

Series **CPTA**
CPTB



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

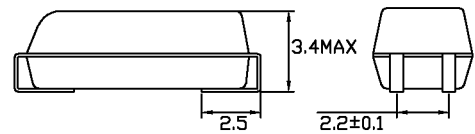
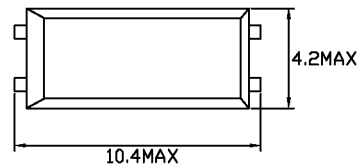
CPTA	Z	A1*	B2	C5	32.768K	D12.5
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	FREQUENCY	LOAD CAP.
CPTA CPTB	BLANK = BULK PACK Z = TAPE AND REEL	A0 = -10°C ~ +60°C A1 = -10°C ~ +70°C A2 = -40°C ~ +85°C A3 = -55°C ~ +125°C	B1 = ±100 B2 = ± 50 B3 = ± 30 B4 = ± 10	C1 = ±100 C2 = ± 50 C3 = ± 30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

