

Ceramic Surface Mount

- 1.25 mm height
- Glass-sealed housing for high reliability

- Two industry standard footprints
- Economic cost

Series **CX12A**
CX12B



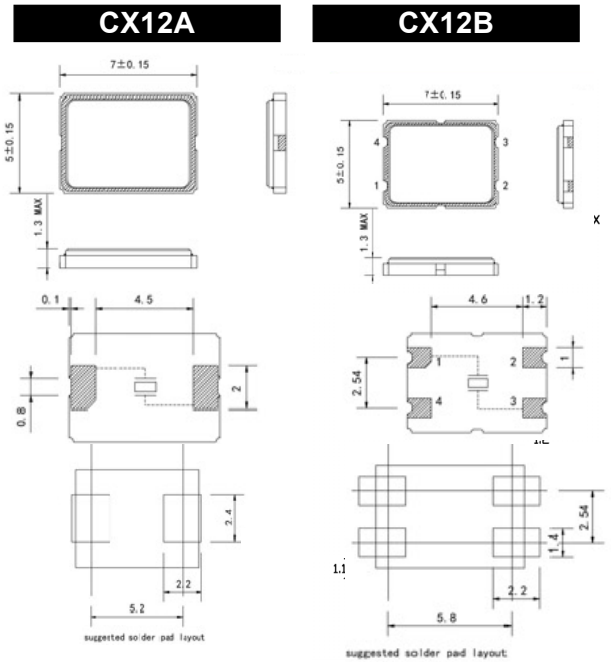
Part Numbering Example: CX12A Z - A1 B2 C2 60 - 9.83 D18 - 3

CX12A	Z	A1*	B2	C2	60	9.83	D18	-3
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CX12A	BLANK = BULK PACK Z = TAPE AND REEL	A0 = -10°C ~ +60°C A1 = -10°C ~ +70°C A2 = -40°C ~ +85°C	B1 = ±100 B2 = ± 50 B3 = ± 30 B4 = ± 10	C1 = ±100 C2 = ± 50 C3 = ± 30 C4 = ± 10	SEE CHART BELOW		D16, 18, 20, ETC. DS = SERIES	BLANK: FUND. -3: 3rd OT

*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:	9.83 ~ 100.000 MHz
Operating Temperature:	-10°C ~ +60°C <i>Standard</i> -40°C ~ +85°C
Frequency Stability:	±100 ppm <i>Standard</i> ± 50 ppm
Frequency Tolerance:	± 50 ppm <i>Standard</i> (at 25°C)
Load Capacitance:	Standard 18 pF or series. Other values are available.
Resistance:	Maximum resistance corresponds to frequency. See chart below.
Standard:	Mode: Fundamental or 3rd Overtone Shunt Capacitance: 5 pF Max Aging: ± 5 ppm/year Drive Level: 0.1 mW Packaging: Tape and Reel (1K per Reel)



Resistance Chart: All resistances are maximum values.

Frequency Range	ESR (Ω)	Mode
5,5000 - 8,0000MHz	80Max	Fundamental
8,0000 - 10,000MHz	60Max	Fundamental
10,000 - 14,000MHz	50Max	Fundamental
14,000 - 20,000MHz	40Max	Fundamental
≥20,000MHz	30Max	Fundamental
24,000 - 35,000MHz	100Max	Third Overtone
≥35,000MHz	80Max	Third Overtone