

Ceramic Surface Mount

- 1.25 mm height
- Glass-sealed housing for high reliability
- Three industry standard footprints
- Economic cost

Series **CX12A**
CX12B
CX12C

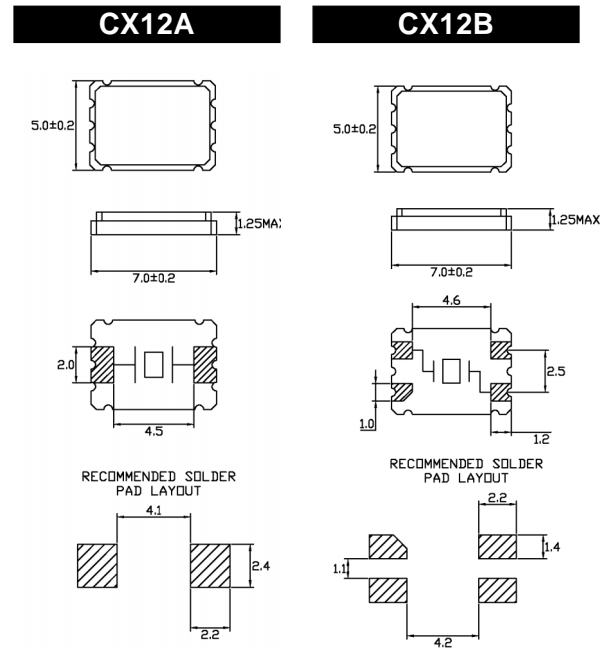
Part Numbering Example: CX12A Z - A1 B2 C2 60 - 9.83 D18 - 3

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 A3 = -55°C ~ +125°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 -5: 5th OT -7: 7th OT -BT: BT Cut

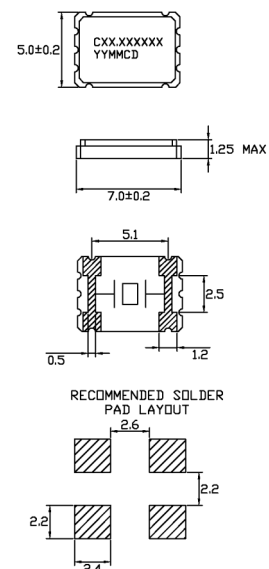
*NOTE: The above ABC combinations cover basic specification options. We tailor our crystal specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.

Specifications:

Frequency Range:	9.83 ~ 100.000 MHz
Operating Temperature:	-10°C ~ +60°C Standard -40°C ~ +85°C
Frequency Stability:	±100 ppm Standard ± 50 ppm
Frequency Tolerance:	± 50 ppm Standard (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)



CX12C



Resistance Chart: All resistances are maximum values.

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE), AND CUT					
Frequency MHz	ESR(Ω)	Mode/cut	Frequency MHz	ESR (Ω)	Mode/cut
9.83~11.999	60 Max	Fund./AT	28.000~30.999	100 Max	3rd Overtone/AT
12.000~15.999	60 Max	Fund./AT	31.000~34.999	100 Max	3rd Overtone/AT
16.000~25.999	40 Max	Fund./AT	35.000~49.999	60 Max	3rd Overtone/AT
26.000~41.000	40 Max	Fund./AT	50.000~100.000	60 Max	3rd Overtone/AT

