Ceramic Surface Mount

• 1.25 mm height

CARDINAL COMPONENTS

- Three industry standard footprints
- Economic cost



•	Glass-sealed	housing	for high	reliability

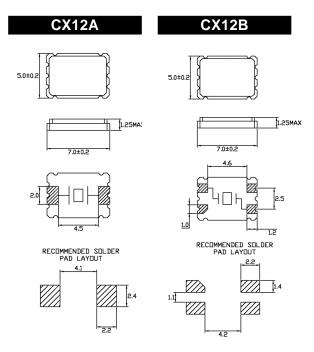
Part Numbering Example:	CX12A Z - A1 B2 C2 60 - 9.83 D18 - 3

CX12A	Z	A1*	B2	C2	60	9.83	D18	- 3
SERIES ADD	DED FEATURES	OPERATING TE	MP. STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
		$A0 = -10^{\circ}C \sim +6^{\circ}$					D16,18,20,ETC.	BLANK: FUND.
Z = T	APE AND REEL	A1 = -10°C ~ +7	$0^{\circ}C = B2 = \pm 50$	$C2 = \pm 50$	BELOW		DS = SERIES	-3: 3rd OT
		A2 = -40°C ~ +8	$B3^{\circ}C = B3 = \pm 30$	$C3 = \pm 30$				-5: 5th OT
		A3 = -55°C ~ +12	$5^{\circ}C = B4 = \pm 10$	$C4 = \pm 10$				-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.

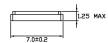
Specifications:

Frequency Rar	nge: 9.83 ~ 100.000 MHz					
Operating Tem	perature: -10°C ~ +60°C <i>Standard</i> -40°C ~ +85°C					
Frequency Sta	bility: ±100 ppm <i>Standard</i> ± 50 ppm					
Frequency Tole (at 25°C)	erance: ± 50 ppm Standard					
Load Capacita	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)					

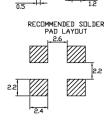


CX12C









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	



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