

Ceramic Surface Mount Crystals

- Very low drive level
- Wide frequency range
- Tight stabilities and tolerances

Series **CX635A**
CX635B



Part Numbering Example: **CX635A Z - A1 B2 C2 50 - 11.0 D18 - 3**

CX635A	Z	A1*	B2	C2	50	11.0	D18	- 3
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CX635A	BLANK = BULK PACK	A0 = -10°C ~ +60°C	B1 = ±100	C1 = ±100	SEE CHART		D16,18,20,ETC.	BLANK: FUND.
CX635B	Z = TAPE AND REEL	A1 = -10°C ~ +70°C	B2 = ± 50	C2 = ± 50	BELOW		DS = SERIES	-3: 3rd OT
		A2 = -40°C ~ +85°C	B3 = ± 30	C3 = ± 30				-5: 5th OT
		A3 = -55°C ~ +125°C	B4 = ± 10	C4 = ± 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:

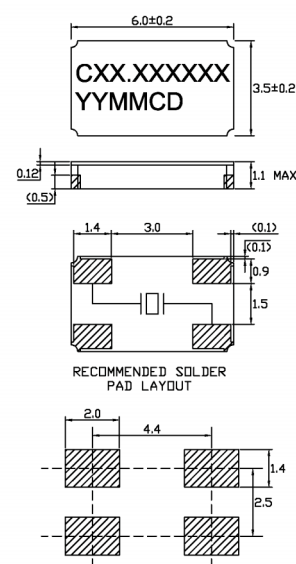
Frequency Range:	11.000 ~ 150.000 MHz
Operating Temperature:	-10°C ~ +70°C <i>Standard</i> -20°C ~ +70°C -40°C ~ +85°C
Frequency Stability:	±50 ppm <i>Standard</i> ±30 ppm ±10 ppm ± 5 ppm
Frequency Tolerance:	±50 ppm <i>Standard</i> (at 25°C) ±30 ppm ±10 ppm
Load Capacitance:	Standard 18pF or series. Other values are available.
Resistance:	Maximum resistance corresponds to frequency. See chart below.
Standard:	Mode: Fundamental, 3rd or 5th Overtone Shunt Capacitance: 7 pF Max Aging: ± 5 ppm/year Drive Level: 50 µW Packaging: Tape and Reel (1K per Reel)

Note: Not all combinations of the above tolerances, stabilities, and temperature ranges are available. Consult the factory if your requirement is not standard.

Resistance Chart: All resistances are maximum

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE)		
Frequency MHz	ESR (Ω)	Oscillation Mode
11.0 ~ 13.99	50	Fundamental
14.0 ~ 24.99	40	Fundamental
25.0 ~ 54.99	30	Fundamental
55.0 ~ 100.00	70	3rd Overtone
100.0 ~ 150.00	100	5th Overtone

CX635A



CX635B

