



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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 A2 = -40°C ~ +85°C	B2 = ± 50 B3 = ± 30 B4 = ± 10	C2 = ± 50 C3 = ± 30 C4 = ± 10	BELOW		DS = SERIES	-3: 3rd OT

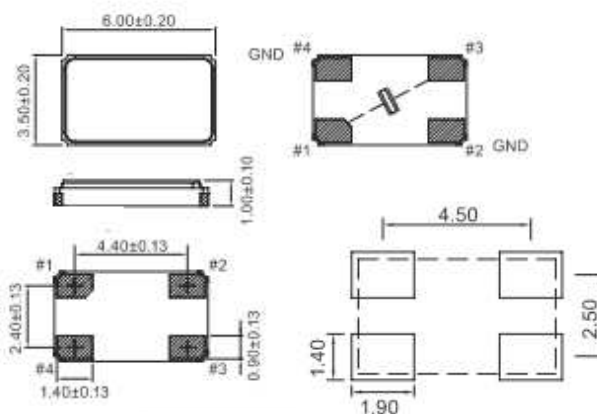
\*NOTE: The above ABC combinations cover basic specification options. We tailor our crystal specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.

## Specifications:

<b>Frequency Range:</b>	8.000 ~ 50.000 MHz
<b>Operating Temperature:</b>	-10°C ~ +70°C <i>Standard</i> -20°C ~ +70°C -40°C ~ +85°C
<b>Frequency Stability:</b>	±50 ppm <i>Standard</i> ±30 ppm ±10 ppm ± 5 ppm
<b>Frequency Tolerance:</b> (at 25°C)	±50 ppm <i>Standard</i> ±30 ppm ±10 ppm
<b>Load Capacitance:</b>	Standard 18pF or series. Other values are available.
<b>Resistance:</b>	Maximum resistance corresponds to frequency. See chart below.
<b>Standard:</b>	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.

## CX635A



## CX635B



## Resistance Chart: All resistances are maximum

Frequency Range	MODE	E.S.R
8 MHz ≤ Fo < 12 MHz	A1	<60 Ω
12 MHz ≤ Fo < 13 MHz	A1	<50 Ω
13 MHz ≤ Fo < 19 MHz	A1	<45 Ω
19 MHz ≤ Fo < 20 MHz	A1	<40 Ω
20 MHz ≤ Fo < 30 MHz	A1	<35 Ω
30 MHz ≤ Fo ≤ 50 MHz	A1	<30 Ω

