

**SMD CRYSTAL**

Very low profile. Ultrathin thickness 1.6mm is available  
 Automatic mounting is possible.  
 Very small volume and weight.  
 Reflow is possible  
 RoHs compliant.



**Part Numbering Example: CX845Z - A0 - B2 - C2 100 - 10.0 D18**

CX845	Z	A0	B2	C2	100	10.0	D18	
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CX845	Z = TAPE AND REEL	A0 = -10°C ~ +60°C	B2 = ± 50 B3 = ± 30	C2 = ± 50 C3 = ± 30	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 crystals specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.*

**Specifications:**

Frequency Range: Fundamental	6.0 to 40Mhz
Frequency Range: 3rd	30.0 to 75.0 MHz
Vibration Mode:	AT cut, Fundamental, 3rd
Frequency Tolerance: (at 25°C)	-/+ 30ppm or -/+ 50 ppm
Equivalent Series Resistance:	See table No. 1
Frequency Stability:	-/+ 30 ppm or -/+ 50 ppm
Operating Temperature Range:	-10~ + 60°C , or specify
Shunt Capacitance:	7.0pF max.
Load Capacitance:	16pF, 18pF, 20pF, or specify
Aging:	-/+ 5ppm/year
Drive Level:	100uW max.

**Equivalent Series Resistance Table No. 1**

Frequency	Mode	ESR
6.0~10 MHz	Fundamental	100 ohms max
11.0~14 MHz	Fundamental	80 ohms max
14.0~20.0 MHz	Fundamental	50 ohms max
21.0~40.0 MHz	Fundamental	40 ohms max
30.0~75.0 MHz	3rd	80 ohms max

