

# Ceramic Surface Mount Crystal

• Small overall package dimensions

Series **CX425**



## Part Numbering Example: CX425 Z - A5 B3 C3 - 80 - 12.0 D10

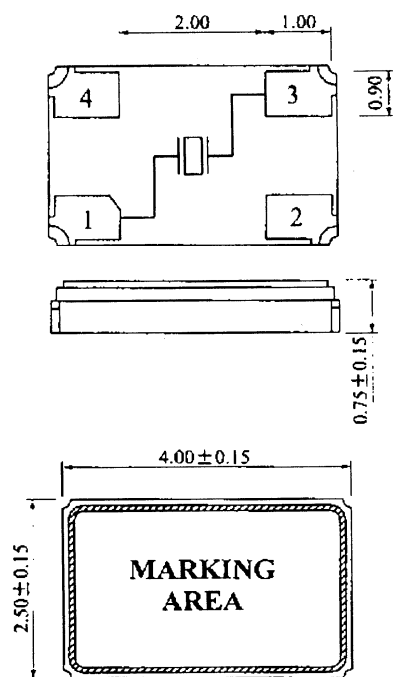
CX425	Z	A5*	B3	C3	80	12.0	D10
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.
CX425	BLANK = BULK PACK Z = TAPE AND REEL	A5 = -20°C ~ +70°C	B3 = ± 30 B6 = ± 15 B4 = ± 10	C3 = ± 30 C8 = ± 15 C4 = ± 10	SEE CHART BELOW		D8, D10, ETC.

\*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.

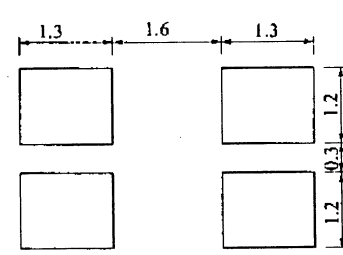
### Specifications:

<b>Frequency Range:</b>	12.000 ~ 32.000 MHz (Fundamental)
<b>Operating Temperature:</b>	-20°C ~ +70°C
<b>Frequency Stability:</b>	± 30 ppm ± 15 ppm ± 10 ppm
<b>Frequency Tolerance:</b> (at 25°C)	± 30 ppm ± 15 ppm ± 10 ppm
<b>Load Capacitance:</b>	Standard 8 pF, 10 pF, etc. Other values are available.
<b>Resistance:</b>	Maximum resistance corresponds to frequency. See chart below.
<b>Standard:</b>	Shunt Capacitance: 7 pF Max Aging: ± 5 ppm/year Drive Level: 100 µW Max
<b>Option:</b>	Packaging: Tape and Reel

### CX425



### Recommended Solder Pattern



### Resistance Chart: All resistances are maximum

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE)		
Frequency MHz	ESR (Ω)	Oscillation Mode
12.0 ~ 19.999	80	Fundamental
20.0 ~ 25.999	70	Fundamental
26.0 ~ 32.000	50	Fundamental

