

# Surface Mount Crystals

Fits Epson MA406 footprint.

## Part Numbering Example: CX415 Z - A2 C4 70 - 32.768k D9

CX415	Z	-	A2	C4	70	-	32.768k	D9
SERIES	ADDED FEATURES		OPERATING TEMP.	TOLERANCE	RESISTANCE		FREQUENCY	LOAD CAP.
CX415	Z = Tape & Reel Blank = Bulk Pack		A2 = -40° to + 85°C	C3 = ±30 C4 = ±10 C5 = ±20	SEE CHART BELOW		32.768k	7 pF 9 pF 12.5 pF

**\*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:

	Min	Typical	Max	Units
Frequency		32.768		kHz
Storage Temperature	-55		+ 125	° C
Operating Temp Range	-40		+ 85	° C
Tolerance C3			30	PPM
Tolerance C4			10	PPM
Tolerance C5			20	PPM
Temperature Coefficient		-0.34 ±0.006		PPM
Load capacitance		7.0		pF
Load capacitance		9.0		pF
Load capacitance		12.5		pF
Series Resistance			70	kΩ
Drive level Max +/-			1	μW
Shunt capacitance		1		pF
Motional capacitance		2		fF
Aging Max +/- First Year			5	PPM
Reflow soldering 10 sec max			260	° C

