

Ceramic Surface Mount Crystal

- Small overall package dimensions
- Available in both 2 & 4 pads

Series **CX532**



Part Numbering Example: **CX532 Z - A1 B2 C2 150 - 10.0 D16 - 3**

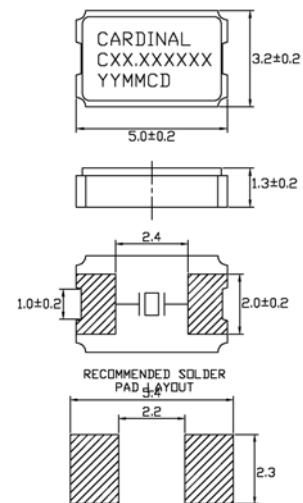
CX532	Z	A1*	B2	C2	150	10.0	D16	-3
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CX532	BLANK = BULK PACK Z = TAPE AND REEL	A0 = -10°C ~ +60°C A1 = -10°C ~ +70°C A2 = -40°C ~ +85°C A3 = -55°C ~ +125°C	B1 = ±100 B2 = ± 50 B3 = ± 30 B4 = ± 10	C1 = ±100 C2 = ± 50 C3 = ± 30 C4 = ± 10	SEE CHART BELOW		D16,18,20,ETC. DS = SERIES	BLANK: FUND. -3: 3rd OT -5: 5th OT -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.

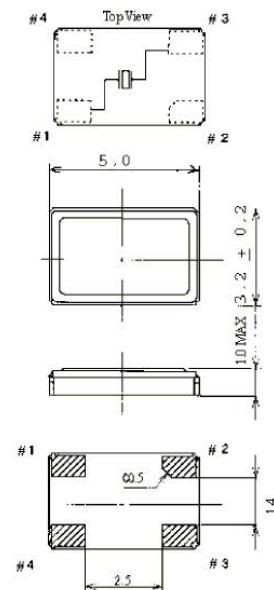
Specifications:

Frequency Range:	10.000 ~ 45.000 MHz	(Fundamental)
Operating Temperature:	-10°C ~ +60°C	Standard
Frequency Stability:	±100 ppm ± 50 ppm ± 30 ppm	Standard
Frequency Tolerance: (at 25°C)	±100 ppm ± 50 ppm ± 30 ppm	Standard
Load Capacitance:	Standard 16, 18 pF or series. Other values are available.	
Resistance:	Maximum resistance corresponds to frequency. See chart below.	
Standard:	Mode: Fundamental or 3rd Overtone Shunt Capacitance: 7 pF Max Aging: ± 5 ppm/year Drive Level: 100 µW Max	
Option:	Packaging: Tape and Reel	

CX532



CX532A



Resistance Chart: All resistances are maximum

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE)		
Frequency MHz	ESR (Ω)	Oscillation Mode
10.0 ~ 11.999	150	Fundamental
12.0 ~ 15.999	100	Fundamental
16.0 ~ 29.999	70	Fundamental
30.0 ~ 45.000	50	Fundamental

Cardinal Components, Inc.

155 Route 46 West
Wayne, NJ 07470
Rev: C-090414-11



C-21

TEL: (973)785-1333
E-MAIL: sales@cardinalxtal.com
WEB: http://www.cardinalxtal.com