

Plastic Surface Mount Crystals

Series **CPC**

- Smaller package than CPX
- Cost effective

Part Numbering Example: CPC Z - A1 B2 C2 200 - 3.579545 D18 - 3

CPC	Z	A1*	B2	C2	200	3.579545	D18	- 3
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CPC	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:

3.500 ~ 30.000 MHz	AT-Cut Fundamental
30.000 ~ 70.000 MHz	3rd Overtone

Operating Temperature: 0°C ~ +70°C *Standard*
-40°C ~ +85°C

Frequency Stability: ± 100 ppm
± 50 ppm *Standard*

Frequency Tolerance: ± 50 ppm *Standard*
(at 25°C)

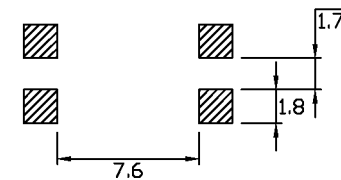
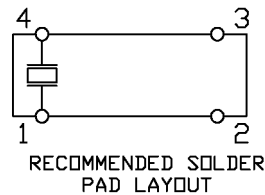
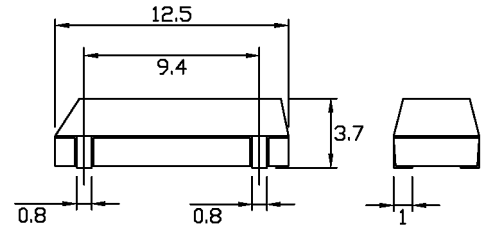
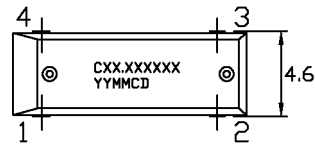
Load Capacitance: Standard 18 pF or series.
Please Specify your required load.

Resistance: Maximum resistance corresponds to frequency.
See chart below.

Standard: Shunt Capacitance: 7 pF Max
Aging: ± 5 ppm/year
Drive Level: 1.0 mW Max
Packaging: Tape and Reel

Note: Not all combinations of the above tolerances, stabilities, and temperature ranges are available. Consult the factory if your requirement is not standard.

CPC



Resistance Chart: All resistances are maximum values.

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE), AND CUT					
Frequency MHz	ESR(Ω)	Mode/cut	Frequency MHz	ESR (Ω)	Mode/cut
3.579545~4.999	200 Max	Fund./AT	10.000~14.999	70 Max	Fund./AT
5.000~5.999	150 Max	Fund./AT	15.000~15.999	60 Max	Fund./AT
6.000~7.999	120 Max	Fund./AT	16.000~30.000	50 Max	Fund./AT
8.000~8.999	90 Max	Fund./AT	30.000~49.999	80 Max	3rd Overtone/AT
9.000~9.999	80 Max	Fund./AT	50.000~70.000	80 Max	3rd Overtone/AT

