

CX-06 micro smd crystal (20.0 ~ 80.0)MHz fundamental

- # (2.0 x 1.6)mm ceramic package
- # high reliability
- # 8.0mm tape and reel
- # AT cut fundamental

Electrical specification

Case style	CX06: height 0.5mm
Frequency range	(20.0 ~ 80.0)MHz, fundamental
Standard frequencies	20.00MHz, 24.00MHz, 25.00MHz, 26.00MHz, 38.839364MHz, 40.00MHz,
Adjustment tolerance	from ± 15 ppm at +25°C, frequency dependent
Temperature tolerance	from ± 10 ppm, frequency and temperature range dependent
Operating temperature	(0 +50)°C ~ (-40 +85)°C
Storage temperature	(-40 +85)°C
Load	8pF, 10pF typical
Shunt capacitance C_0	5.0pF max.
Drive level	100µW max.
Q factor	80,000 typical
Ageing	± 5 ppm max. per year
Insulation resistance	500Meg. ohm min. at 100Vd.c.

Ordering information

The CX-06 smd crystals may be specified within their available frequency range together with load capacitance, adjustment tolerance, temperature tolerance and temperature range with each parameter coded as follows

Example CX-06 crystal, 20.00MHz, load 10pF, ± 20 ppm at +25°C, ± 10 ppm(-10 +60)°C

TFC PART NUMBER CX06X 20.00M C C B I

'CX06X' crystal series: CX06X = CX-06

'20.00M' frequency: 20.00M = 20.00MHz, frequency range from (20.0 ~ 80.0)MHz fundamental

'C' load capacitance: C = 10pF

'C' adjustment tolerance at +25°C: C = ± 20 ppm

'B' temperature tolerance: B = ± 10 ppm

'I' temperature range: I = (-10 +60)°C

Load capacitance A: 8pF, C: 10pF

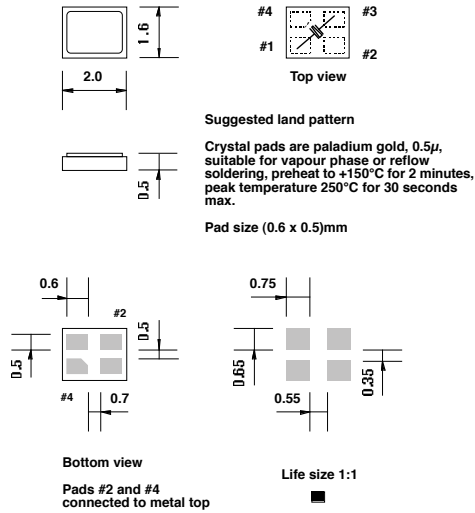
Adjustment tolerance C: ± 20 ppm, E: ± 30 ppm, G: ± 50 ppm, H: ± 100 ppm, P: ± 15 ppm

Temperature tolerance B: ± 10 ppm, C: ± 20 ppm, E: ± 30 ppm, G: ± 50 ppm, H: ± 100 ppm, P: ± 15 ppm

Temperature range B: (0 +50)°C, I: (-10 +60)°C, C: (-20 +70)°C, L: (-40 +85)°C

CX-06 micro smd crystal

CX-06 dimensions(mm) shown x5 full size



ESR - equivalent series resistance

frequency range(MHz)	cut/mode	esr(Ω)
(20.0 ~ 25.0)	AT1	<200
(25.0 ~ 40.0)	AT1	<100
(40.0 ~ 80.0)	AT1	<60

Tape and reel dimensions(mm)

