

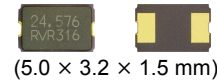
SMD Crystal Unit

5.0 x 3.2 mm / 8 ~ 60 MHz

FCX-03

FEATURES

- AT-cut 8 ~ 60 MHz crystal unit
- Robust ceramic package with resin sealing
- Long seller (since 1994)



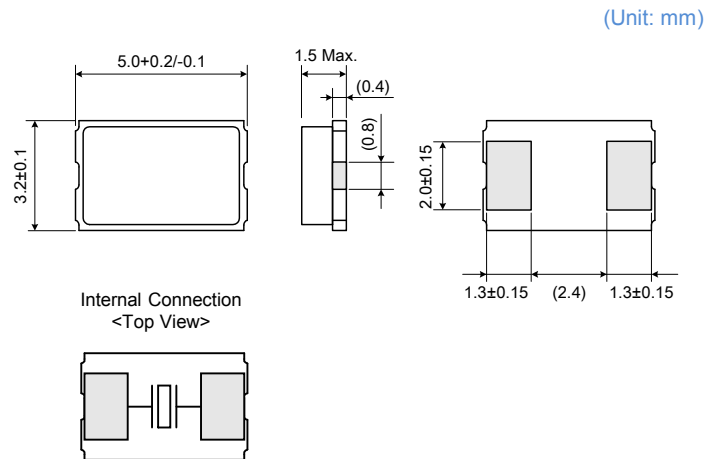
APPLICATIONS

- Various clock sources

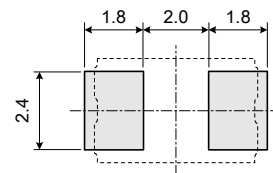
STANDARD SPECIFICATIONS

Item	Specifications	Conditions / Remarks
Nominal frequency	8.000 ~ 60.000 MHz	-
Overtone order	Fundamental	-
Frequency tolerance	± 15 ppm ~	@25°C See below for more options
Equivalent series resistance (E.S.R.)	500 Ω Max.	8 MHz to 9 MHz
	250 Ω Max.	9 MHz to 9.5 MHz
	200 Ω Max.	9.5 MHz to 10 MHz
	150 Ω Max.	10 MHz to 12 MHz
	100 Ω Max.	12 MHz to 16 MHz
	70 Ω Max.	16 MHz to 30 MHz
	50 Ω Max.	30 MHz to 60 MHz
Storage temperature	-40 ~ +85°C	-
Operating temperature	-40 ~ +85°C	See below for more options
Frequency/temperature characteristics	± 15 ppm (-20 ~ +70°C) ± 30 ppm (-40 ~ +85°C)	Refer to 25°C See below for more options
Load capacitance	8.0 pF ~	Please specify
Drive level	500 μW Max.	-
Tape and reel	1000 pcs/reel	Reel diameter: ø180 mm
	3000 pcs/reel	Reel diameter: ø330 mm

OUTLINE DIMENSIONS



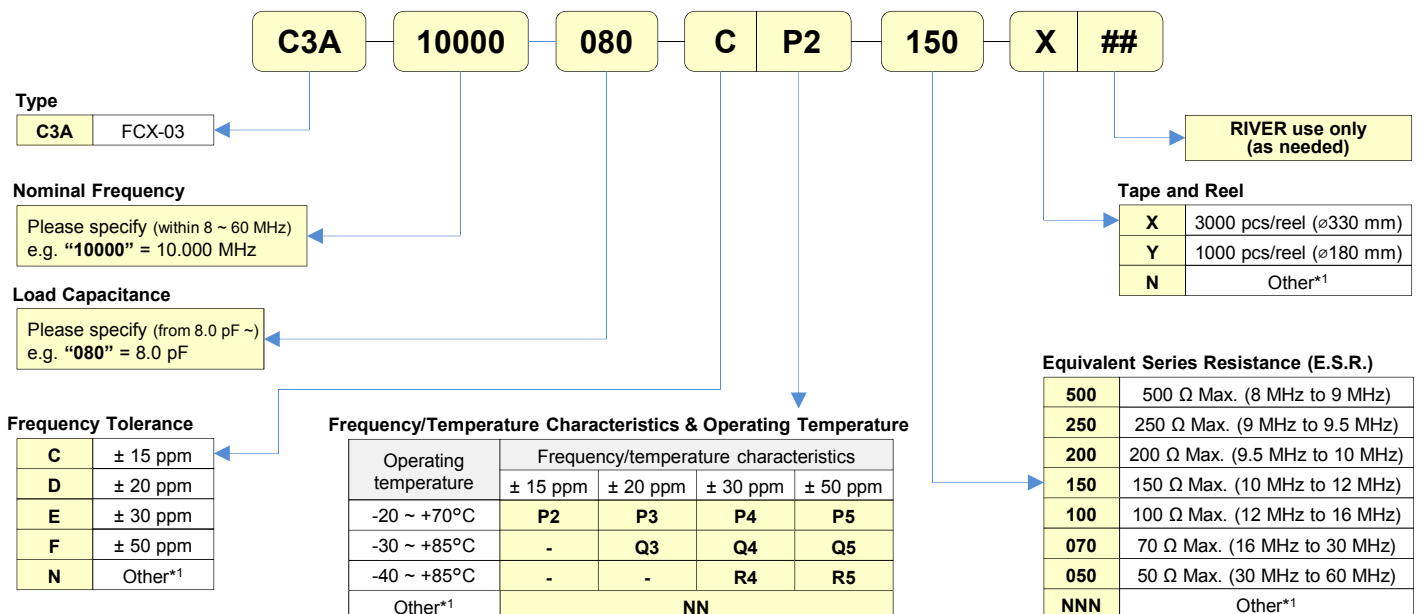
RECOMMENDED LAND PATTERN



GENERAL NOTES

- Certain combinations of standard options may be classified as high-spec models.
- Please consult us for specifications that do not match the standard specifications.
- The information in this document is subject to change without notice.

ORDERING NUMBER GUIDE



*1. Please consult us for your requirements.