

SMD Crystal Unit

1.6 x 1.2 mm / 24 ~ 80 MHz

FCX-07 / FCX-07L
Standard type / Low-profile type

FEATURES

- 1612 size, AT-cut 24 ~ 80 MHz crystal unit with 2 types:
 - FCX-07 (standard type)
 - FCX-07L (low-profile type): Low profile of 0.33 mm Max.
- Frequency tolerance of ± 7 ppm (@25°C) available
- Wide operating temperature range of $-40 \sim +125^\circ\text{C}$ available
- Robust ceramic package with metal lid sealed by electron beam
- Specifications in conformity with AEC-Q200 available on request



FCX-07: (1.6 x 1.2 x 0.45 mm)
FCX-07L: (1.6 x 1.2 x 0.33 mm)



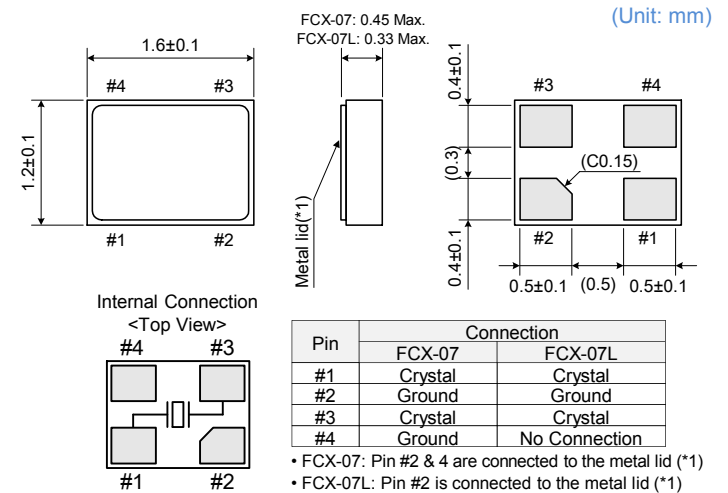
APPLICATIONS

- Car audio systems / car GPS units / remote keyless entry / dash cameras
- Smartphones / wireless-modules / wearable devices

STANDARD SPECIFICATIONS

Item	Specifications	Conditions / Remarks
Nominal frequency	24.000 ~ 80.000 MHz	-
Overtone order	Fundamental	-
Frequency tolerance	± 7 ppm ~	@25°C See below for more options
Equivalent series resistance (E.S.R.)	150 Ω Max.	24 MHz to 26 MHz
	100 Ω Max.	26 MHz to 32 MHz
	60 Ω Max.	32 MHz to 50 MHz
	50 Ω Max.	50 MHz to 80 MHz
Storage temperature	$-55 \sim +125^\circ\text{C}$	-
Operating temperature	$-40 \sim +85^\circ\text{C}$ $-40 \sim +125^\circ\text{C}$	See below for more options
Frequency/temperature characteristics	± 10 ppm ($-30 \sim +85^\circ\text{C}$) ± 50 ppm ($-40 \sim +125^\circ\text{C}$)	Refer to 25°C See below for more options
Load capacitance	5.0 pF ~	Please specify
Drive level	100 μW Max.	-
Tape and reel	3000, 5000 pcs/reel	Reel diameter: $\phi 180$ mm

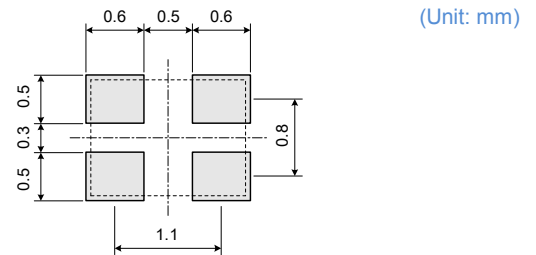
OUTLINE DIMENSIONS



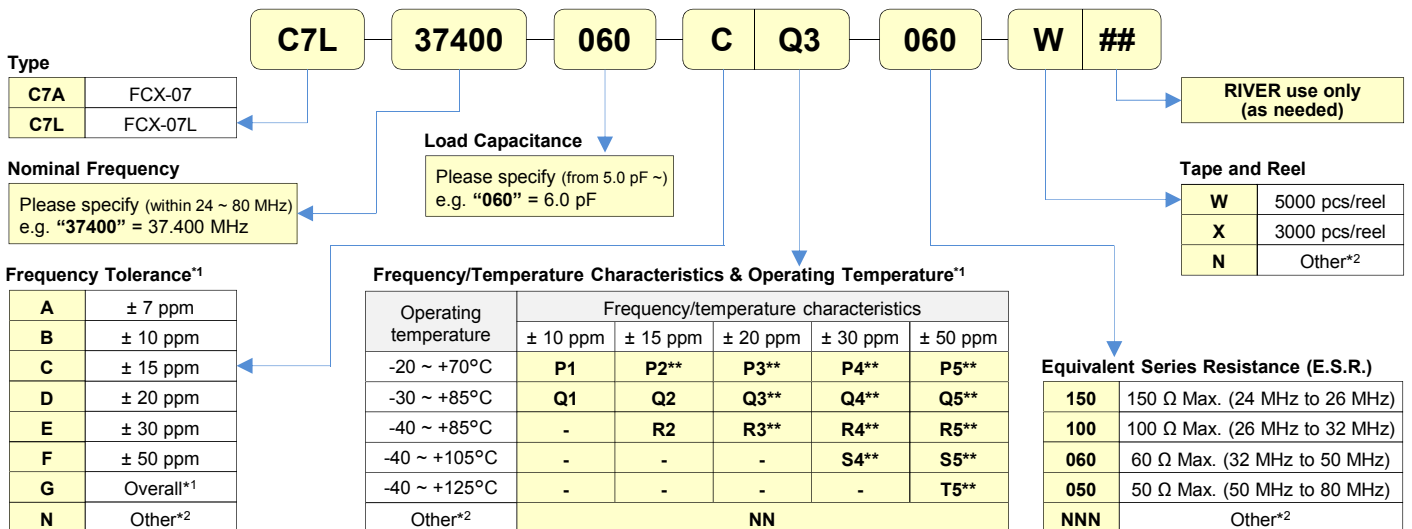
GENERAL NOTES

- 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.

RECOMMENDED LAND PATTERN



ORDERING NUMBER GUIDE



1. For overall frequency stability inclusive of stability at 25°C and an operating temp. range, please select "G (Overall)" from the table "Frequency Tolerance" followed by a code that is with "" from the table "Freq./Temp. Characteristics & Operating Temp.". (e.g. GP2 = Overall ± 15 ppm ($-20 \sim +70^\circ\text{C}$))

*2. Please consult us for your requirements.