

SMD Crystal Unit

1.2 mm x 1.0 mm / 32 MHz to 80 MHz

NEW PRODUCT
FCX-08

FEATURES

- The world's smallest, 1210 size AT-cut crystal unit (32 MHz to 80 MHz)
- Frequency tolerance of ± 7 ppm (@25 °C) available
- Wide operating temperature range of -40 °C to +125 °C available
- Robust ceramic package with metal lid sealed by electron beam
- Specifications in conformity with AEC-Q200 available on request



(1.2 × 1.0 × 0.3 mm)



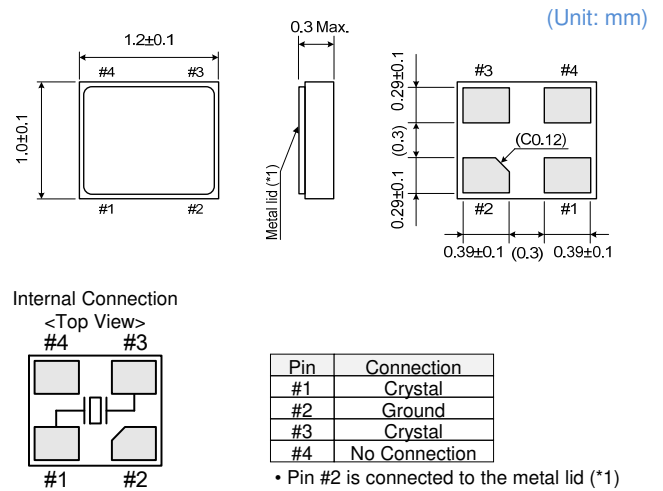
APPLICATIONS

- Small wireless-modules, Wearable devices, Hearable devices, and others
- Smartphones, Medical and Healthcare devices, Automotive electronics, and others

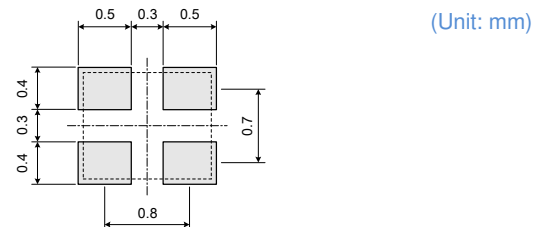
STANDARD SPECIFICATIONS

Item	Specifications	Unit	Conditions (Remarks)
Nominal frequency	32 to 80	MHz	-
Overtone order	Fundamental	-	-
Frequency tolerance	± 7	ppm	@25 °C (See below for more options)
Equivalent series resistance (Max.)	100	Ω	32 MHz to 33 MHz
	80	Ω	33 MHz to 37 MHz
	60	Ω	37 MHz to 80 MHz
Storage temperature	-55 to +125	°C	-
Operating temperature	-40 to +85 -40 to +125	°C	(See below for more options)
Frequency / temperature characteristics	± 10 (-30 °C to +85 °C) ± 50 (-40 °C to +125 °C)	ppm	Refer to 25 °C (See below for more options)
Load capacitance	5.0 or Specify	pF	(Please specify)
Drive level (Max.)	100	μ W	-
Tape and reel	5000	pcs/reel	Reel diameter : $\phi 180$ mm

OUTLINE DIMENSIONS



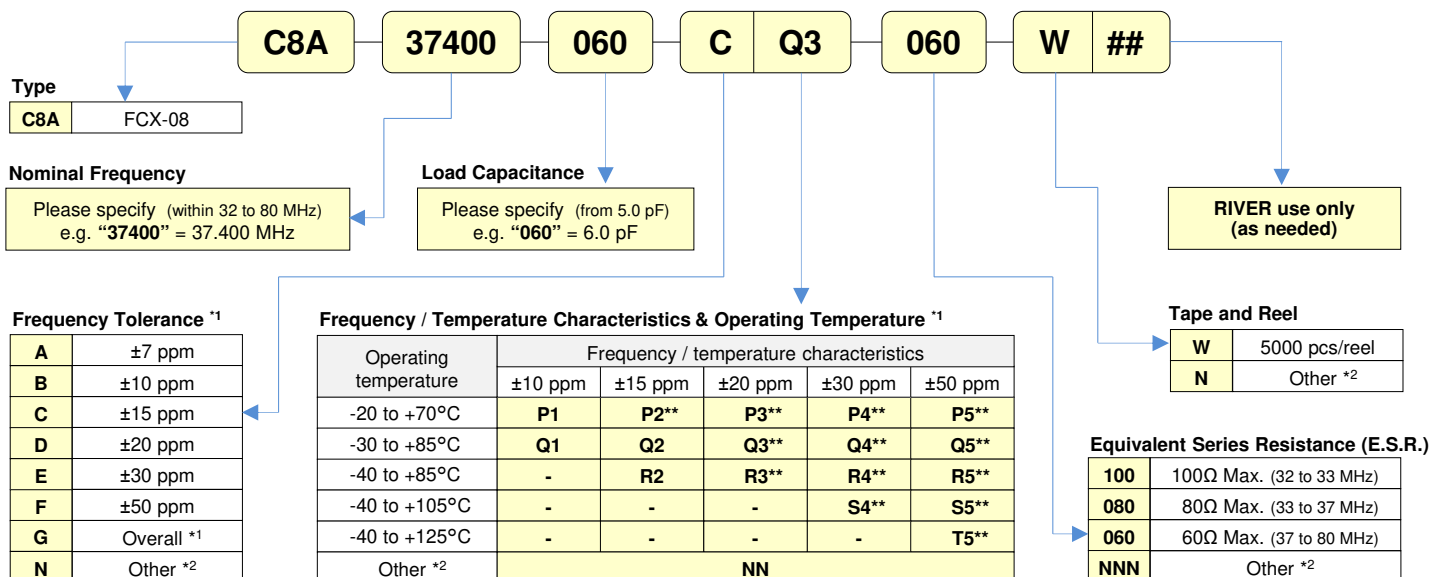
RECOMMENDED LAND PATTERN



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. 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 to +70 °C))

*2. Please consult us for your requirements.

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