

## FCX-07: Standard type FCX-07L: Low-profile type

### ◆ FEATURES

- 1612 size AT-cut crystal unit / frequency range 24 ~ 80 MHz.
- 1.6 × 1.2 × 0.45 mm Max./ 3.3 mg (FCX-07).
- 1.6 × 1.2 × **0.33** mm Max./ **2.5** mg (FCX-07L).
- Frequency tolerance ±7 ppm available.
- Automotive operating temperature range -40 ~ +125°C available.
- Ceramic with metal lid sealed by patented Electron-Beam-Soldering.

### ◆ APPLICATIONS

- Smartphones, wireless-modules, wearable devices, in-vehicle units.

### ◆ STANDARD SPECIFICATIONS / ORDERING INFORMATION

Ordering Number (Sample): **C7L** — **37400** — **060** — **C Q3** — **060** — **H W ##**  
 (1) (2) (3) (4) (5) (6) (7) (8) (9)

(1) Type	
FCX-07	<b>C7A</b>
FCX-07L	<b>C7L</b>

(2) Nominal Frequency	
24.000 ~ 80.000 MHz	e.g. 37.400 MHz = <b>37400</b>

(3) Load Capacitance	
5.0, 6.0, 7.0 pF*1	e.g. 6.0 pF = <b>060</b>

\*1 Other capacitances available

(4) Frequency Tolerance @ 25°C	
±7 ppm	<b>A</b>
±10 ppm	<b>B</b>
±15 ppm	<b>C</b>
±20 ppm	<b>D</b>
±30 ppm	<b>E</b>
±50 ppm	<b>F</b>
Other	<b>N</b>

(5) Operating Temperature	Frequency Temperature Characteristics (with reference to 25°C)				
	±10 ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
-20 ~ +70°C	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	<b>P5</b>
-30 ~ +85°C	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>
-40 ~ +85°C	-	<b>R2</b>	<b>R3</b>	<b>R4</b>	<b>R5</b>
-40 ~ +105°C	-	-	-	<b>S4</b>	<b>S5</b>
-40 ~ +125°C	-	-	-	-	<b>T5</b>
Other	<b>NN</b>				

(6) Equivalent Series Resistance	
24 ~ 26 MHz: 150Ω Max.	<b>150</b>
26 ~ 32 MHz: 100Ω Max.	<b>100</b>
32 ~ 50 MHz: 60Ω Max.	<b>060</b>
50 ~ 80MHz: 50Ω Max.	<b>050</b>
Other	<b>NNN</b>

(7) Storage Temperature*2	
-40 ~ +85°C	<b>G</b>
-40 ~ +105°C	<b>H</b>
-55 ~ +125°C	<b>J</b>
Other	<b>N</b>

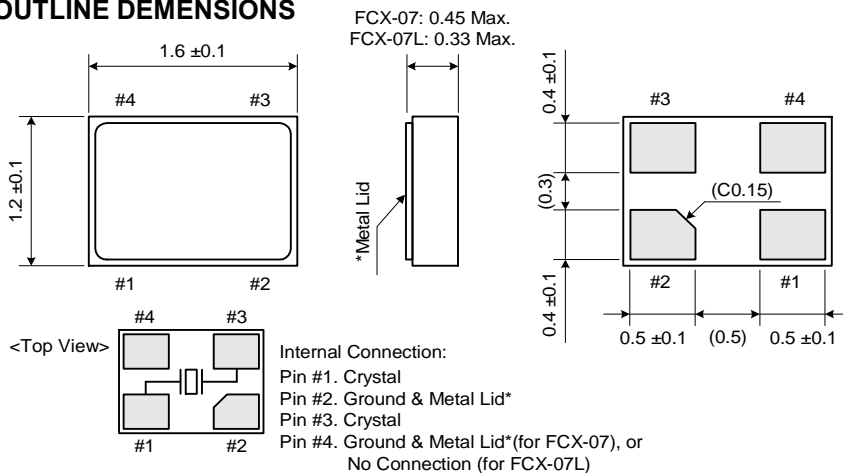
\*2 Not applicable to packing materials

(8) Tape & Reel (φ180 mm)	
5000 pcs/reel	<b>W</b>
3000 pcs/reel	<b>X</b>
Other	<b>N</b>

(9) RIVER Use Only (As needed)
<b>Drive Level</b>
<b>100 μW Max.</b>

- The codes for the Ordering Number are indicated in blue, and the specifications are described in black.
- Not all combinations of options are available as standard.
- AEC-Q200 complaint spec available upon request.
- For specifications that include "Overall Frequency-Tolerance", please select "N" for the (4) Frequency Tolerance and let us know your specific requirements.
- For specifications other than those above, please contact our sales / website and let us know your specific requirements.

### ◆ OUTLINE DIMENSIONS



### ◆ LAND PATTERN

Unit: mm

