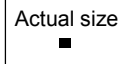
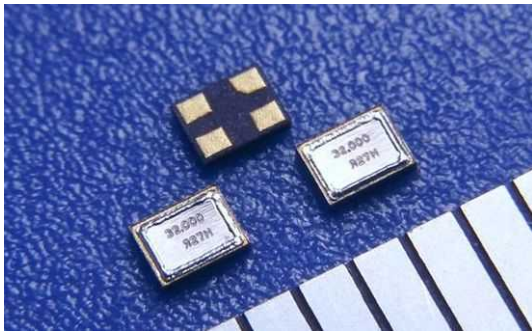


SMD Crystal Unit

FCX-07/07L



◆ FEATURES

- 1612 size, AT-cut, MHz crystal unit (24 ~ 80 MHz) with 2 options;
FCX-07: Standard type (1.6 × 1.2 × 0.45 mm Max./ 3.3 mg)
FCX-07L: Low-profile type (1.6 × 1.2 × 0.33 mm Max./ 2.5 mg)
- High-precision frequency (available from ±7ppm @25°C)
- Automotive temperature range (-40 ~ +125°C)
- High-reliable ceramic/metal package sealed with electron beam
- Long seller (since 2007: FCX-07 / since 2008: FCX-07L)
- One of our best-selling models
- Specifications in conformity with AEC-Q200 available on request

◆ 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 | C7A |
| FCX-07L | C7L |

| (2) Nominal Frequency | |
|-----------------------|--------------------------------|
| 24.000 ~ 80.000 MHz | e.g. 37.400 MHz = 37400 |

| (3) Load Capacitance | |
|----------------------|--------------------------|
| 5.0, 6.0, 7.0 pF*1 | e.g. 6.0 pF = 060 |

*1 Other values available on request

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

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

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

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

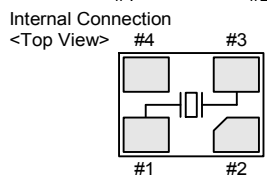
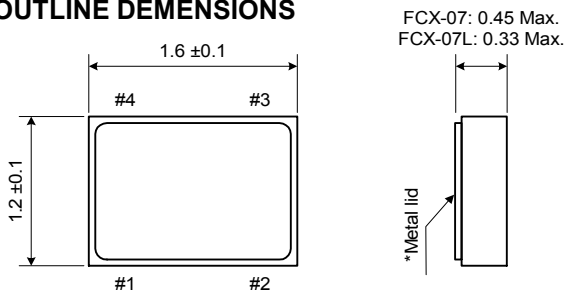
*2 Not applicable to packing materials

| (8) Tape & Reel (φ180 mm) | |
|---------------------------|----------|
| 5000 pcs/reel | W |
| 3000 pcs/reel | X |
| Other | N |

| (9) RIVER Use Only (As needed) | |
|--------------------------------|--------------------|
| Drive Level | 100 μW Max. |

- "Ordering Number" codes are indicated in blue, and the corresponding specifications are described in black.
- Not all combinations of options are available as a standard specification.
- For "Overall Frequency-Tolerance" specifications, please select "N" for the "(4) Frequency Tolerance", and let our sales know your requirement.
- For specifications other than those above, please consult our sales or contact us via our website with your requirement.

◆ OUTLINE DIMENSIONS



| Pin | Connection |
|-----|------------|
| #1 | Crystal |
| #2 | Ground |
| #3 | Crystal |
| #4 | Ground |

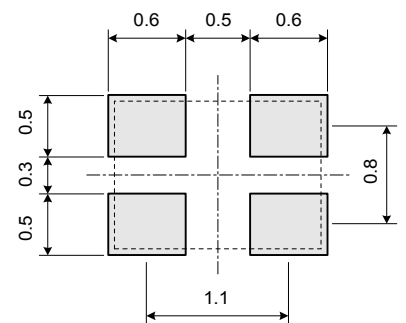
Pin #2 & #4 are connected to the lid*

| Pin | Connection |
|-----|---------------|
| #1 | Crystal |
| #2 | Ground |
| #3 | Crystal |
| #4 | No Connection |

Pin #2 is connected to the lid*

◆ LAND PATTERN

Unit: mm



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