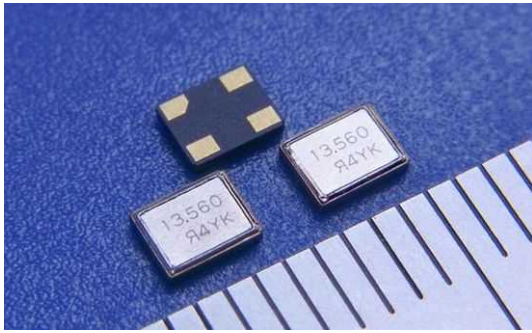


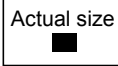
# SMD Crystal Unit

# FCX-04C



## ◆ FEATURES

- AT-cut, MHz crystal unit (8 ~ 60 MHz)
- Compact package (3.2 × 2.5 × 0.7 mm Max. / 18 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 2003)
- Supports low frequencies rivaling 5032 size (= FCX-03)
- Provides pulling-sensitivity higher than 5032 size
- Specifications in conformity with AEC-Q200 available on request



## ◆ APPLICATIONS

- Applications that require low frequency with compact design
- Applications that require high pulling-sensitivity

## ◆ STANDARD SPECIFICATIONS / ORDERING INFORMATION

Ordering Number (Sample): **C4C** - **10000** - **060** - **C Q3** - **150** - **H X ##**  
 (1) (2) (3) (4) (5) (6) (7) (8) (9)

(1) Type
C4C

(2) Nominal Frequency	
8.000 ~ 60.000 MHz	e.g. 10.000 MHz = 10000

(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	
8 ~ 9.5 MHz: 300Ω Max.	300
9.5 ~ 12 MHz: 150Ω Max.	150
12 ~ 13 MHz: 80Ω Max.	080
13 ~ 16 MHz: 60Ω Max.	060
16 ~ 60 MHz: 50Ω Max.	050
Other	NNN

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

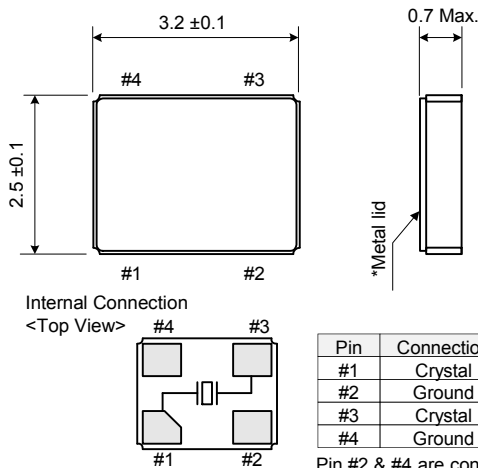
\*2 Not applicable to packing materials

(8) Tape & Reel (φ180 mm)	
3000 pcs/reel	X
Other	N

(9) RIVER Use Only (As needed)	
Drive Level	
200 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

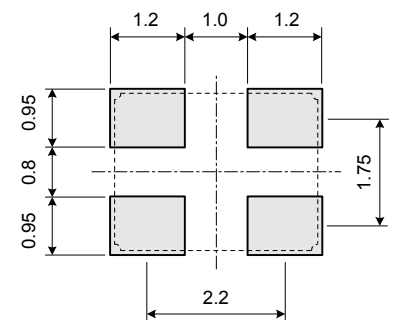


Pin	Connection
#1	Crystal
#2	Ground
#3	Crystal
#4	Ground

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

## ◆ LAND PATTERN

Unit: mm



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