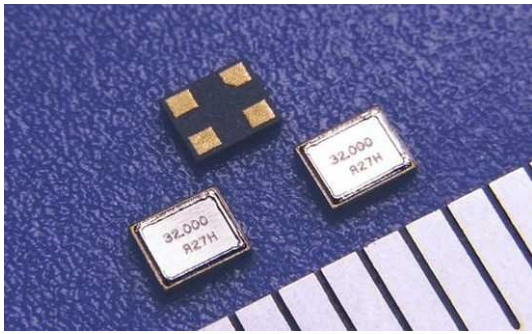


SMD Crystal Unit

FCX-06

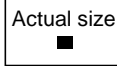


◆ FEATURES

- AT-cut crystal unit / frequency range 16 ~ 90 MHz.
- 2.0 × 1.6 × 0.5 mm Max. / 5.6 mg.
- Supports the low frequency from 16 MHz.
- Frequency tolerance ±7 ppm available.
- Automotive operating temperature range -40 ~ +125°C available.
- Ceramic with metal lid sealed by patented Electron-Beam-Soldering.
- One of the best-selling models of our products.

◆ APPLICATIONS

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



◆ STANDARD SPECIFICATIONS / ORDERING INFORMATION

Ordering Number (Sample): **C6A** — **16000** — **060** — **C Q3** — **100** — **H X ##**
 (1) (2) (3) (4) (5) (6) (7) (8) (9)

(1) Type	C6A
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(2) Nominal Frequency	16.000 ~ 90.000 MHz	e.g. 16.000 MHz = 16000
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(3) Load Capacitance	5.0, 6.0, 7.0 pF*1	e.g. 6.0 pF = 060
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*1 Other capacitances available

(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 Temperature Characteristics (with reference 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	
16 ~ 23 MHz: 100Ω Max.	100
23 ~ 40 MHz: 60Ω Max.	060
40 ~ 90 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

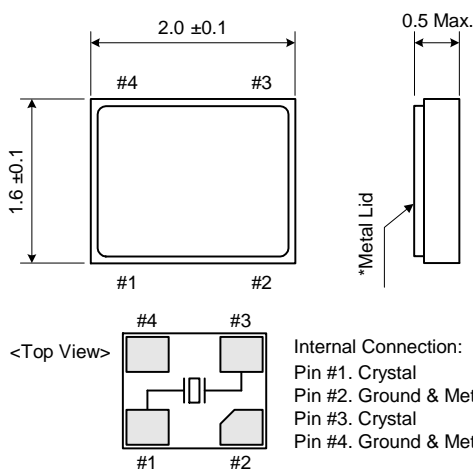
(8) Tape & Reel (φ180 mm)	
3000 pcs/reel	X
Other	N

(9) RIVER Use Only (As needed)

Drive Level	200 μW Max.
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- 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

