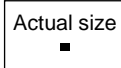


◆ FEATURES

- AT-cut, MHz crystal unit (32 ~ 80 MHz)
- The world's smallest crystal unit (1.2 × 1.0 × 0.33 mm Max./1.4 mg)
- High-precision frequency (available from ±7ppm @25°C)
- Automotive temperature range (-40 ~ +125°C)
- High-reliable ceramic/metal package sealed with electron beam
- 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): **C8A** — **37400** — **060** — **C Q3** — **060** — **H W ##**
 (1) (2) (3) (4) (5) (6) (7) (8) (9)

(1) Type
C8A

(2) Nominal Frequency	
32.000 ~ 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	
32 ~ 33 MHz: 100Ω Max.	100
33 ~ 37 MHz: 80Ω Max.	080
37 ~ 80 MHz: 60Ω Max.	060
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

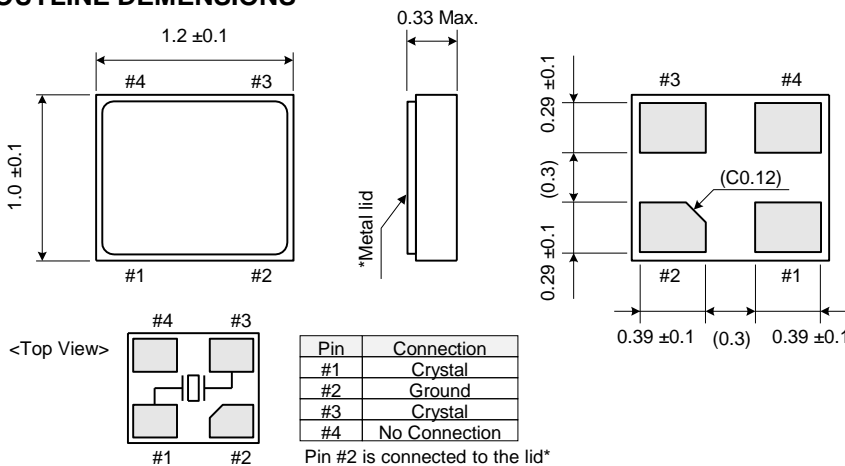
(8) Tape & Reel (φ180 mm)	
5000 pcs/reel	W
Other	N

(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



◆ LAND PATTERN

Unit: mm

