# **CITIZEN**

## TUNING FORK CRYSTAL UNIT (Cylinder Type)

RoHS compliant / Pb free

**CFV-206** 



#### **■ FEATURES**

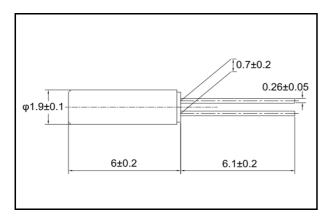
● Frequency range: 30 ~ 100kHz

● External dimensions (mm)

 $\Phi: 2.0 \times L: 6.2$ 

Applications
 Radio-controlled clock / Communication devices

## **■ DIMENSION** [mm]

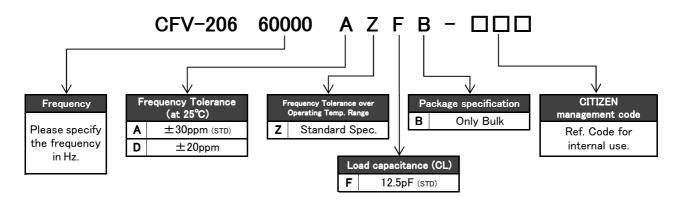


### **■ STANDARD SPECIFICATIONS**

Item		CFV-206	Conditions		
Nominal Frequency	fo	30kHz ∼ 100kHz	Please contact us for frequencies available		
Frequency Tolerance	$\Delta f/f_0$	±20ppm / ±30ppm	at 25°C		
Load capacitance	CL	12.5pF			
Operating Temperature Range	Topr	−20°C <b>~</b> +70°C			
Storage Temperature Range	Tstr	-40°C <b>~</b> +85°C			
Turnover Temperature	Тм	25°C±5°C			
Temperature Coefficient	β	-0.034±0.006ppm/°C²			
Motional (series) resistance	R <sub>1</sub>	50K Ω Max.	at 25°C		
Level of drive	DL	1 <i>μ</i> W Max.			
Aging (first year)	Δf/fo	±5ppm Max.	25°C±3°C		
Shunt capacitance	C <sub>0</sub>	0.8pF <b>∼</b> 1.7pF Typ.	Depend on frequency		

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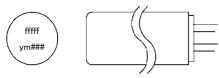
#### **■ PART NUMBERING SYSTEM**



\*Please contact us for specifications available.

### ■ Part Marking [standard]

#### CFV-206



f: Frequency in Hz unit

y: The last digit of production year

m : Production month (See Table.1)

#: Production Lot No.

Table.1

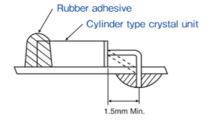
i able. i										
	Month	Jan	Feb		Sep	Oct	Nov	Dec		
	Code	1	2		9	Χ	Υ	Z		

## **■ Handling Notes**

#### Mounting

Soldering the body of cylinder type crystal unit must be strictly avoided as it may cause significant deterioration in characteristics of the product.

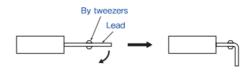
Rubber adhesive is recommended for mounting.



#### **Bending Lead**

Hold the body of crystal unit by hand, and the part to be bent with tweezers leaving more than 1.5mm of lead from the body case. (3.0mm is recommended)

Bend the lead  $90^\circ$  holding with the tweezers. Pulling the lead strongly may crack the hermetic seal glass at the root of the lead and may cause the airtightness and the characteristics to deteriorate.



Rev.1