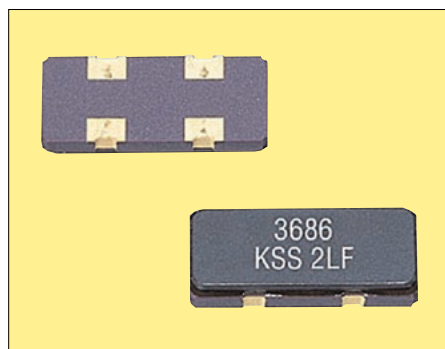




RoHS Compliant

## Features

- Crystal unit for audio-visual, office equipment
- Small and low profile (11.8x5.5x1.8mm)
- Ceramic package
- Product with lead free terminations
- Reflow compatible

## Applications

- Digital Electronics
- Audio-Visual, Office Equipment

## How to Order

CXB855GB 03579 H0 P E S ZZ  
 ① ② ③ ④ ⑤ ⑥ ⑦

① Code

② Typical Frequencies

| Code  | Freq.(kHz) | Code  | Freq.(kHz) |
|-------|------------|-------|------------|
| 03579 | 3579.545   | 14318 | 14318.180  |
| 03686 | 3686.400   | 16000 | 16000.000  |
| 04000 | 4000.000   | 16934 | 16934.400  |
| 06000 | 6000.000   | 19660 | 19660.800  |
| 08000 | 8000.000   | 20000 | 20000.000  |
| 12000 | 12000.000  |       |            |

\*Please inquire about frequencies other than the above.

③ Load Capacitance

|    |      |
|----|------|
| H0 | 12pF |
|----|------|

④ Frequency Stability

|   |                         |
|---|-------------------------|
| P | $\pm 50 \times 10^{-6}$ |
|---|-------------------------|

⑤ Operating Temperature Range

|   |                |
|---|----------------|
| E | -10°C to +70°C |
|---|----------------|

⑥ Frequency Temperature Stability

|   |                         |
|---|-------------------------|
| S | $\pm 50 \times 10^{-6}$ |
|---|-------------------------|

⑦ Special

|    |                      |
|----|----------------------|
| ZZ | Custom Specification |
|----|----------------------|

## Specifications

| Items                           | Symbol           | Specification |               | Units            | Remarks                                |
|---------------------------------|------------------|---------------|---------------|------------------|----------------------------------------|
| Frequency Range                 | f <sub>nom</sub> | 3500 to 28999 | 29 to 60(MHz) | kHz              |                                        |
| Overtone Order                  | OT               | Fundamental   | 3rd Overtone  | —                |                                        |
| Frequency Tolerance             | f <sub>tol</sub> | $\pm 50$      |               | $\times 10^{-6}$ | @ 25°C                                 |
| Frequency Temp. Characteristics | f <sub>tem</sub> | $\pm 50$      |               | $\times 10^{-6}$ | ref. @ 25°C Over Operating Temp. Range |
| Motional Series Resistance      | R1               | Table 1       |               | ohm              |                                        |
| Level of Drive                  | DL               | Table 2       |               | $\mu$ W          |                                        |
| Load Capacitance                | CL               | 12            |               | pF               |                                        |
| Operating Temp. Range           | T <sub>use</sub> | -10 to +70    |               | °C               |                                        |
| Storage Temp. Range             | T <sub>stg</sub> | -40 to +85    |               | °C               |                                        |

\* Please inquire about specifications other than the above.

**Table1 Motional Series Resistances**

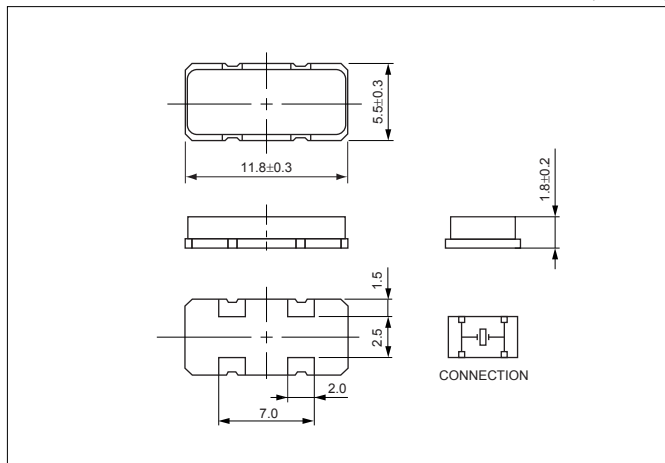
| Frequency Range   | Motional Series Resistance | Units |
|-------------------|----------------------------|-------|
| 3500 to 3999kHz   | 300                        | ohm   |
| 4000 to 7999kHz   | 200                        |       |
| 8000 to 11999kHz  | 120                        |       |
| 12000 to 28999kHz | 100                        |       |
| 29 to 60MHz       | 150                        |       |

**Table2 Level of Drive**

| Frequency Range   | Level of Drive | Units   |
|-------------------|----------------|---------|
| 3500 to 15999kHz  | 10 (500 max.)  | $\mu$ W |
| 16000 to 28999kHz | 10 (300 max.)  |         |
| 29 to 60MHz       | 10 (300 max.)  |         |

## Dimensions

(Unit : mm)



## Recommended Land Pattern

(Unit : mm)

