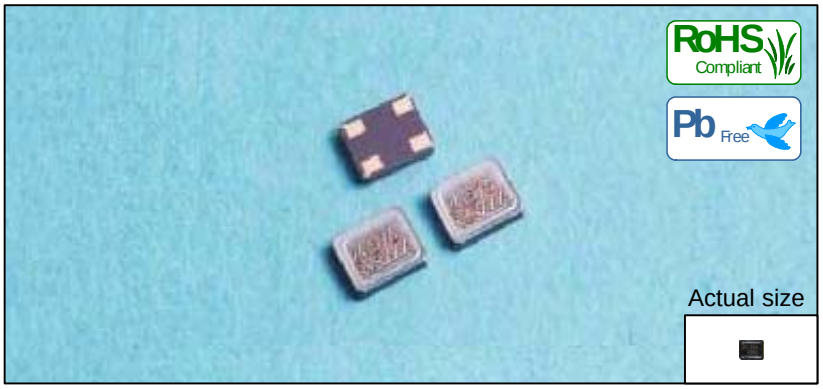
# SURFACE MOUNT CRYSTAL FCX-04




## Features

- Compact design (3.2mm×2.5mm×0.9mm Max., Weight : 0.02g).
- Ceramic package and metal lid assures extreme accuracy and high reliability by electron beam sealing.
- Lead-free soldering is available.
- Accommodates high precision frequency and temperature characteristics.
- Applications : Laptop PC, DSC, DVC, W-LAN, Bluetooth, Tuner module

## Specifications

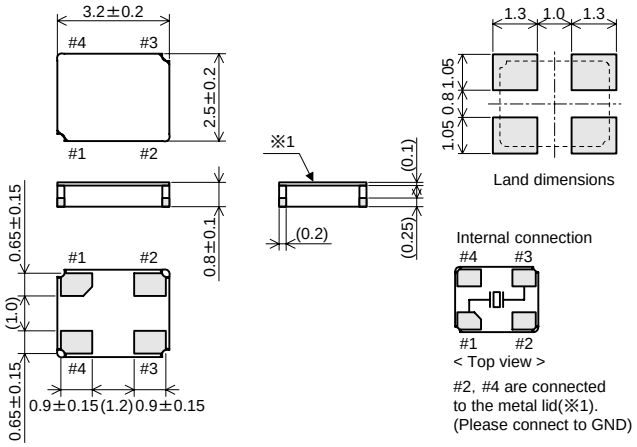
| Item | Standard specifications | | | |
|---|---|---|---|---|
| Frequency range(MHz) | 16.0 to 60.0 | | | |
| Overtone order | Fundamental | | | |
| Frequency tolerance (ppm)(at 25°C) | ±15, ±20, ±30, ±50, ±100 | | | |
| Storage temperature range(°C) | −40 to +85 | | | |
| Operating temperature range(°C) | 0 to +50 | −10 to +60 | −20 to +70 | −40 to +85 |
| Frequency versus temperature characteristics(ppm) (Refer to 25°C) | ±10<br>±30<br>±50<br>±100 | ±15<br>±30<br>±50<br>±100 | ±20<br>±30<br>±50<br>±100 | ±30<br>±50<br>±100 |
| Motional resistance (ESR) | As per below table | | | |
| Level of drive(μW) | 200 Max. | | | |
| Load capacitance(pF) | 8.0, 10.0 | | | |

| Frequency(MHz) | Motional resistance(ESR)(Ω) |
|---|---|
| 16.0 to 30.0 | 100 Max. |
| 30.0 to 60.0 | 50 Max. |

- Please consult us for customized specifications.
- All specifications and markings subjected to change without notice.

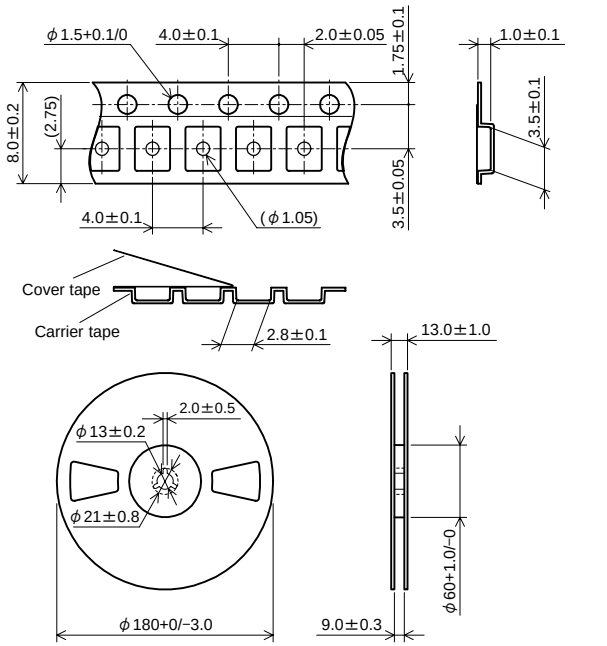
## Dimensions

Unit : mm




## Taping

Unit : mm




Quantity : 3000 pieces Max./Reel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