

TUNING FORK CRYSTAL UNIT (SMD · Plastic Package)

RoHS compliant

CM250C

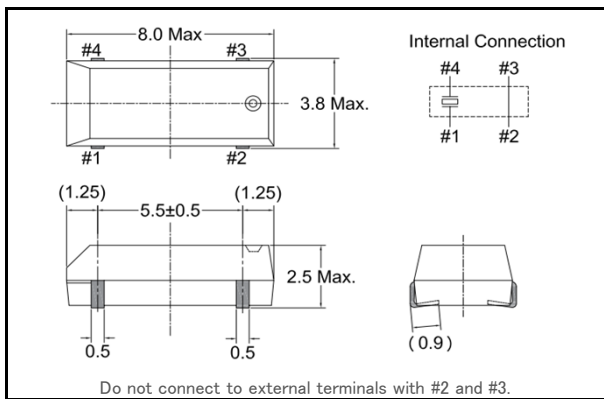
3,000pcs/reel



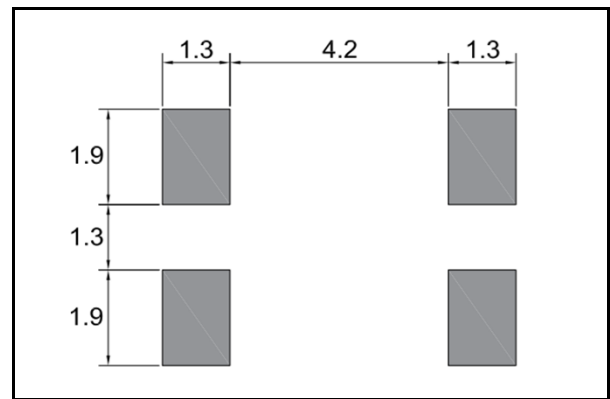
FEATURES

- Frequency range : 30 ~ 100kHz
- External dimensions (mm)
L : 8.0 x W : 3.8 x H : 2.55
- Applications
Communication devices

DIMENSION [mm]



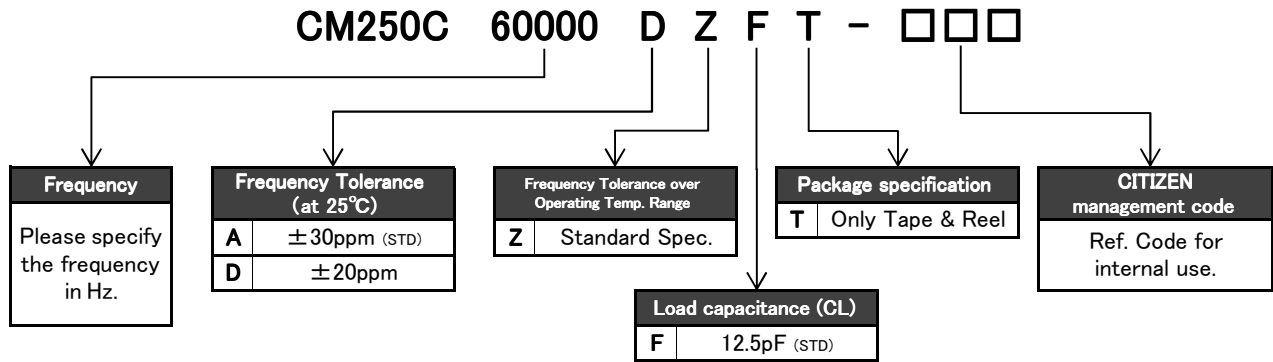
SOLDER PAD LAYOUT [mm]



STANDARD SPECIFICATIONS

| Item | Model | CM250C | Conditions |
|------------------------------|----------------|---|---|
| Nominal Frequency | f_0 | 30kHz ~ 100kHz | Please contact us for frequencies available |
| Frequency Tolerance | $\Delta f/f_0$ | $\pm 20\text{ppm} / \pm 30\text{ppm}$ | at 25°C |
| Load capacitance | C_L | 12.5pF | Please specify your requirement |
| Operating Temperature Range | T_{OPR} | -40°C ~ +85°C | |
| Storage Temperature Range | T_{STR} | -55°C ~ +125°C | |
| Turnover Temperature | T_M | 25°C ± 5°C | |
| Temperature Coefficient | β | $-0.034 \pm 0.006\text{ppm}/^\circ\text{C}^2$ | |
| Motional (series) resistance | R_1 | 50K Ω Max. | at 25°C |
| Level of drive | D_L | 1 μW Max. | |
| Aging (first year) | $\Delta f/f_0$ | $\pm 5\text{ppm}$ Max. | 25°C ± 3°C |
| Shunt capacitance | C_0 | 0.8pF ~ 1.7pF Typ. | |

■ PART NUMBERING SYSTEM



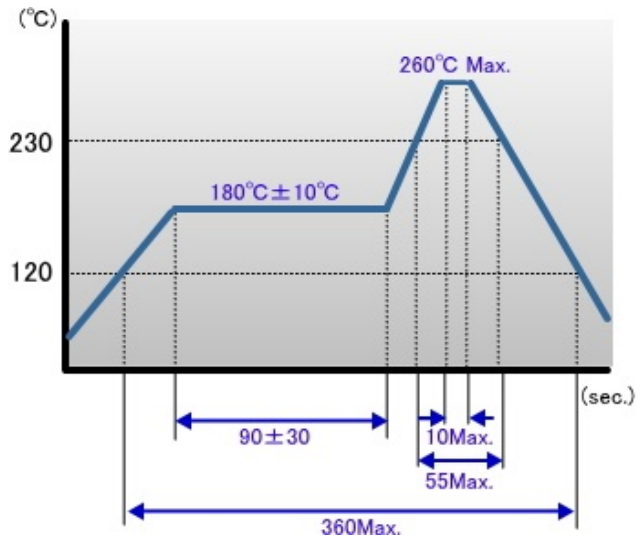
*Please contact us for specifications available.

■ Part Marking [standard]

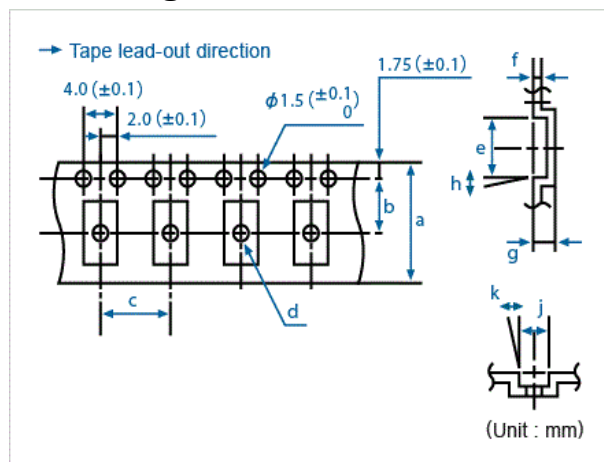


- * : Manufacturer's ID Code
- y : The last digit of production year
- w : Production week code

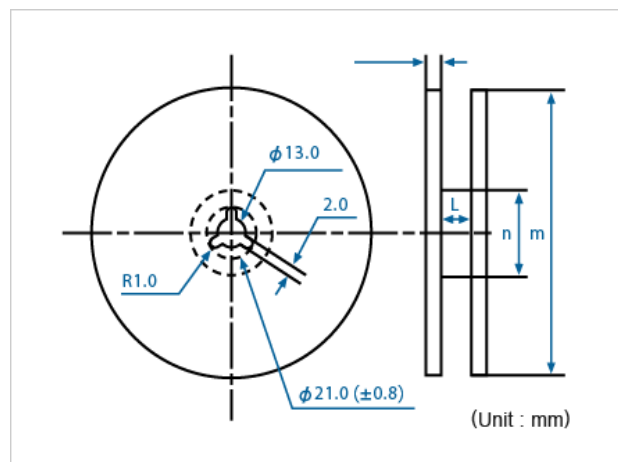
■ Reflow profile



■ Packing



Conforming to JIS C 0806 TB1208NEIAJ and RC-1009B TE1208N



Conforming to JIS C 0806 R12R and EIAJ RC-1009B R15

| Q'ty/reel | a | b | c | d (φ) | e | f | g | h | j | k | l | m (φ) | n (φ) |
|-----------|------|-----|-----|-------|-----|-----|------|----|------|----|------|-------|-------|
| 3,000 | 16.0 | 7.5 | 8.0 | 1.6 | 8.3 | 0.3 | 2.70 | 5° | 4.05 | 5° | 17.5 | 330 | 100 |

Rev.1