MC-306

SEIKO EPSON CORPORATION

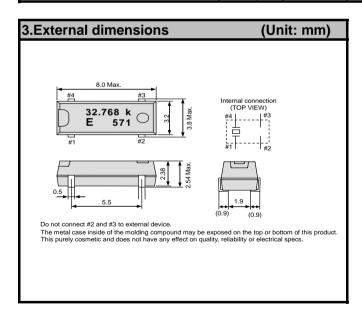
Product name Product Number / Ordering code MC-306 38.400000 kHz 15.0 +50.0-50.0 Q14MC30610073xx

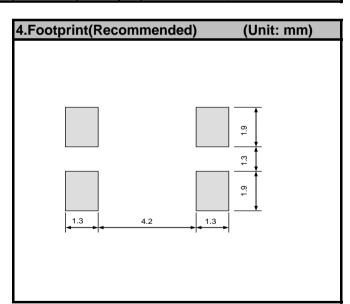
Please refer to the 5.Packing information about xx (last 2 digits)

Complies with EU RoHS directive Reference weight Typ. 126 mg

| 1.Absolute maximum ratings | | | | | | | |
|----------------------------|--------|------|------|------|------|---------------------------|--|
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions / Remarks | |
| Storage temperature | T_stg | -55 | - | 125 | °С | Storage as single product | |
| Maximum drive level | GL | - | - | 1.0 | μW | | |

| 2.Specificatoins(characteristics) | | | | | | |
|-----------------------------------|--------|-------|------|-------|-------------------------------------|----------------------|
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions / Remarks |
| Nominal frequency | f_nom | - | 38.4 | - | kHz | |
| Operating temperature | T_use | -40 | - | 85 | °C | |
| Level of drive | DL | - | - | 1.0 | μW | |
| Frequency tolerance | f_tol | -50.0 | - | +50.0 | x 10 ⁻⁶ | +25°C DL=0.1μW |
| Turnover temperature | Ti | 20 | 25 | 30 | °C | |
| Parabolic coefficient | В | - | - | -0.04 | x 10 ⁻⁶ /°C ² | |
| Load capacitance | CL | - | 15.0 | - | pF | |
| Motional resistance (ESR) | R1 | - | TBD | TBD | kΩ | |
| Motional capacitance | C1 | - | TBD | - | fF | |
| Shunt capacitance | C0 | - | TBD | - | pF | |
| Motional inductance | L1 | - | TBD | - | kH | |
| Frequency aging | f_age | -5 | - | 5 | x10 ⁻⁶ /yea | @+25°C, First year |





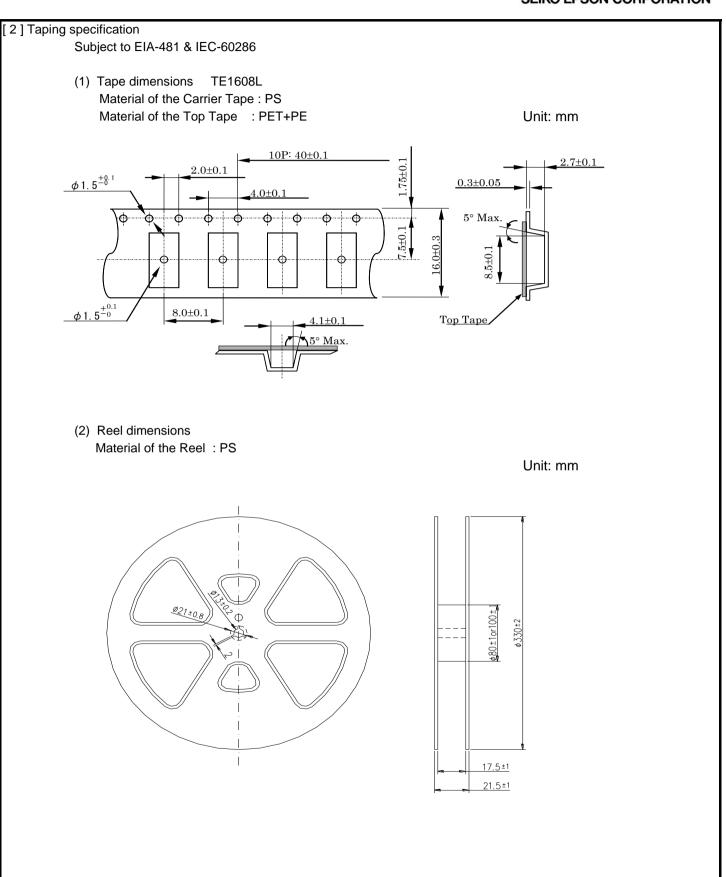
5.Packing information[1]Product number last 2 digits code (xx) description

The recommended code is "00"

Q14MC30610073xx

| _ | a mecororex | | | | | | | |
|---|-------------|--|----|----------------|--|--|--|--|
| | Code | Code Condition 01 Any Q'ty vinyl bag(Tape cut) | | Condition | | | | |
| | 01 | | | 1000pcs / Reel | | | | |
| | 11 | Any Q'ty / Reel | 15 | 2000pcs / Reel | | | | |
| ſ | 12 | 250pcs / Reel | 00 | 3000pcs / Reel | | | | |
| ſ | 13 | 500pcs / Reel | | | | | | |

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Reflow profile

Pre Heating Temperature

Tp1 ~ Tp2 = + 170 °C

Heating Temperature

TMIt = + 220 °C

Peek Temperature

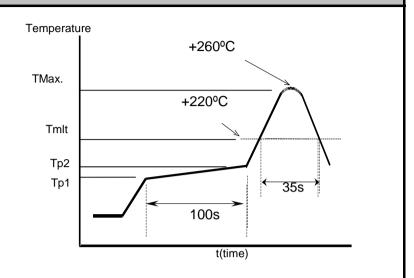
TMax. = + 260 °C

Point of measuring

In case of Solder ability

Terminal.

In case of Resistance to soldering heat Surface.



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