## kHz Range Crystal unit

## MC-306

### SEIKO EPSON CORPORATION

Product name Product Number / Ordering code

# MC-306 40.000000 kHz 7.0 +30.0-30.0 Q14MC30620237xx

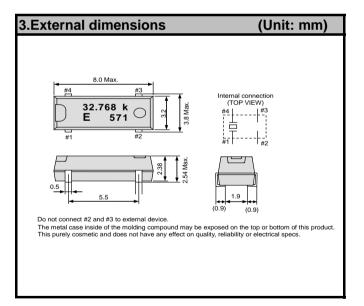
Please refer to the 5.Packing information about xx (last 2 digits)

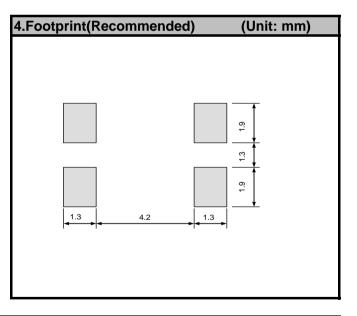
Complies with EU RoHS directive

Reference weight Typ. 126 mg

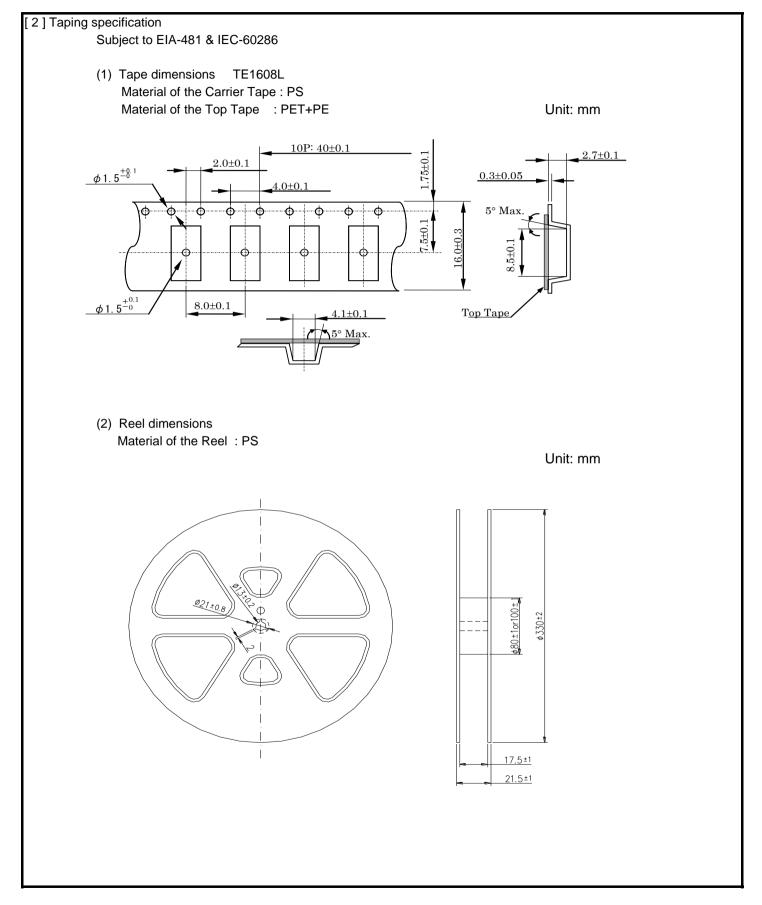
| 1.Absolute maximum ratings |        |      |      |      |      |                           |  |
|----------------------------|--------|------|------|------|------|---------------------------|--|
| Parameter                  | Symbol | Min. | Тур. | Max. | Unit | Conditions / Remarks      |  |
| Storage temperature        | T_stg  | -55  | -    | 125  | °C   | 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  | -     | 40   | -     | kHz                                 |                      |
| Operating temperature             | T_use  | -40   | -    | 85    | ٥C                                  |                      |
| Level of drive                    | DL     | -     | -    | 1.0   | μW                                  |                      |
| Frequency tolerance               | f_tol  | -30.0 | -    | +30.0 | x 10⁻ <sup>6</sup>                  | +25ºC DL=0.1µW       |
| Turnover temperature              | Ti     | 20    | 25   | 30    | ٥C                                  |                      |
| Parabolic coefficient             | В      | -     | -    | -0.04 | x 10 <sup>-6</sup> /°C <sup>2</sup> |                      |
| Load capacitance                  | CL     | -     | 7.0  | -     | 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 <sup>-6</sup> /yea              | @+25°C, First year   |

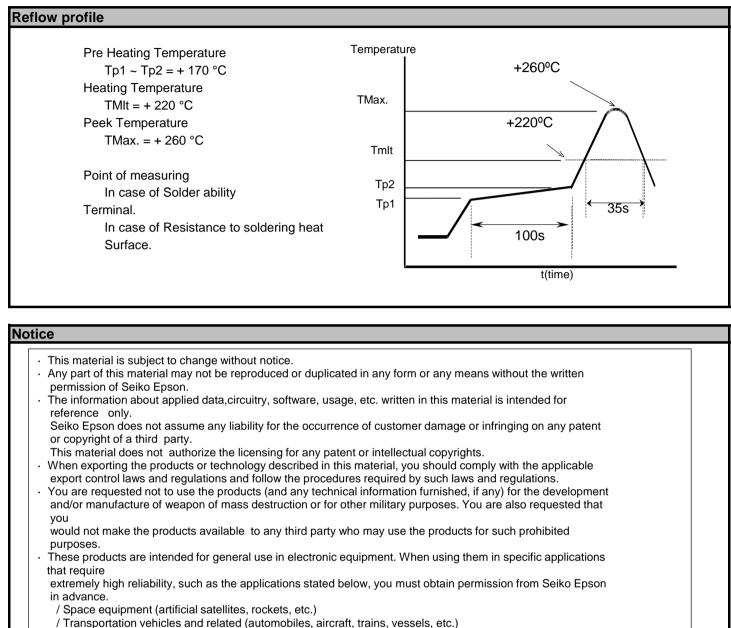




| information   | on  |  |  |  |
|---|---|--|--|--|
| 1 ]Product number last 2 digits code (xx) description |   |  | The recommended code is "00"   |  |
| Q14MC30   | 620237xx  |  |  |  |
| Code  | Condition                                       | Code   | Condition  |  |
| 01  | Any Q'ty vinyl bag(Tape cut)                    | 14   | 1000pcs / Reel   |  |
| 11  | Any Q'ty / Reel                                 | 15   | 2000pcs / Reel   |  |
| 12  | 250pcs / Reel                                   | 00   | 3000pcs / Reel   |  |
| 13  | 500pcs / Reel                                   |  |  |  |
|   | number las<br>Q14MC30<br>Code<br>01<br>11<br>12 | Q14MC30620237xxCodeCondition01Any Q'ty vinyl bag(Tape cut)11Any Q'ty / Reel12250pcs / Reel | number last 2 digits code (xx) descriptionQ14MC30620237xxCodeConditionCode01Any Q'ty vinyl bag(Tape cut)1411Any Q'ty / Reel1512250pcs / Reel00 | number last 2 digits code (xx) description The recommended code is "00"   Q14MC30620237xx Code Condition   01 Any Q'ty vinyl bag(Tape cut) 14 1000pcs / Reel   11 Any Q'ty / Reel 15 2000pcs / Reel   12 250pcs / Reel 00 3000pcs / Reel |



#### SEIKO EPSON CORPORATION



- / Medical instruments to sustain life
- / Submarine transmitters
- / Power stations and related
- / Fire work equipment and security equipment
- / Traffic control equipment
- / And others requiring equivalent reliability.

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