TSX-3225

Product name TSX-3225 25.000000 MHz 18.0 +10.0-10.0 Product Number / Ordering code X1E0000210605xx

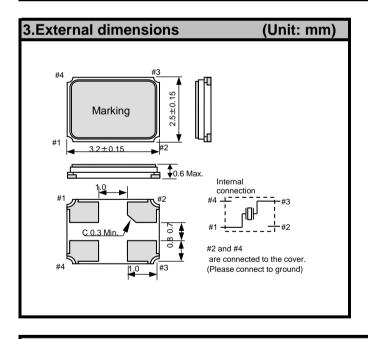
Please refer to the 5.Packing information about xx (last 2 digits)

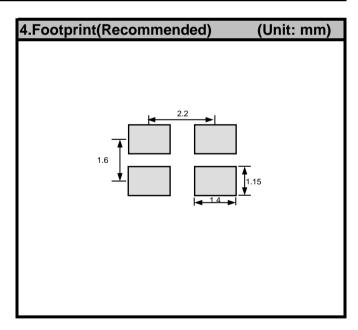
Pb free / Complies with EU RoHS directive

Reference weight Typ. 17 mg

| 1.Absolute maximum ratings | | | | | | |
|----------------------------|--------|------|------|------|------|---------------------------|
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions / Remarks |
| Storage temperature | T_stg | -40 | ı | +125 | °C | Storage as single product |
| Operating temperature | T_use | -40 | - | +105 | °C | |

| 2.Specifications(characteristics) | | | | | | |
|--------------------------------------|--------|------|-----------|------|------------------------|----------------------|
| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions / Remarks |
| Nominal frequency | f_nom | _ | 25.000000 | _ | MHz | Fundamental |
| Frequency tolerance | f_tol | -10 | - | +10 | x 10- ⁶ | @+25°C |
| Frequency Stability over temperature | f_tem | -10 | - | +10 | x 10 ⁻⁶ | -20°C to +70°C |
| Operating temperature | T_use | -20 | - | +70 | °C | |
| Level of drive | DL | 10 | 100 | 200 | μW | |
| Load capacitance | CL | _ | 18 | _ | pF | |
| Motional resistance (ESR) | R1 | - | - | 40 | Ω | |
| Motional capacitance | C1 | - | 3.78 | - | fF | |
| Motional inductance | L1 | - | 10.72 | - | mΗ | |
| Shunt capacitance | C0 | - | 1.39 | - | pF | |
| Frequency aging | f_age | -1 | _ | +1 | x10 ⁻⁶ /yea | @+25°C, First year |





5.Packing information

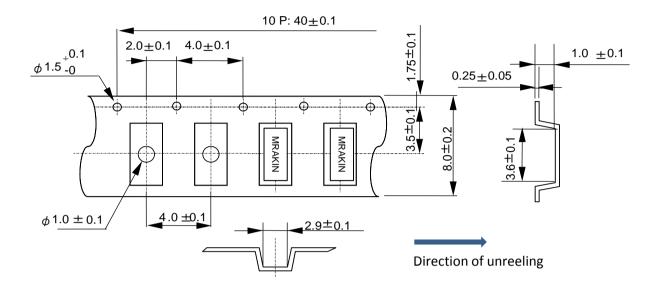
[1]Product number last 2 digits code (xx) description

The recommended code is "17"

X1E0000210605xx

| Code | Condition | Code | Condition |
|------|------------------------------|------|----------------|
| 01 | Any Q'ty vinyl bag(Tape cut) | 00 | 2000pcs / Reel |
| 11 | Any Q'ty / Reel | 16 | 3000pcs / Reel |
| 12 | 250pcs / Reel | 17 | 4000pcs / Reel |
| 14 | 1000pcs / Reel | | |

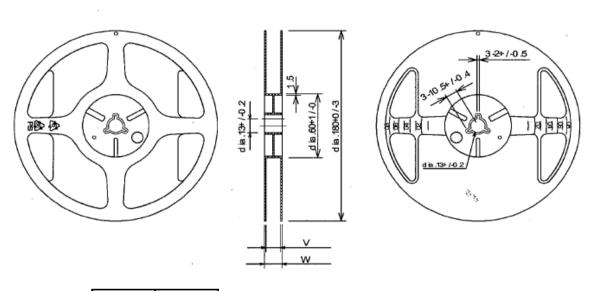
[2] Taping specification Subject to EIA-481 & IEC-60286 (1) Tape dimensions TE0804L Material of the Carrier Tape : PS Material of the Top Tape : PET+PE Unit: mm



(2) Reel dimensions

Center material : PS Material of the Reel : PS

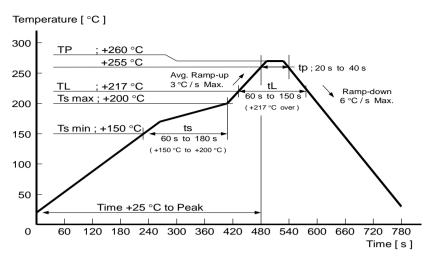
Unit: mm



| V(mm) | W(mm) |
|-----------|----------|
| 9.0+/-0.3 | 11.4+/-1 |

6.Reflow profile

Reflow condition (Follow of JEDEC STD-020D.01)



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