

Surface Mount Type

Series: **TPE** Size : **B**



POSCAP

Features

- Small size (L 3.5 × W 2.8 × H 1.9 mm)
- Low ESR (15 mΩ)
- RoHS compliance, Halogen free

Specifications

| | | |
|----------------------------|---|--|
| Size code | B2 | |
| Category temp. range | -55 °C to +105 °C | |
| Rated volt. range | 2.0 V.DC to 10 V.DC | |
| Category volt. range | 1.8 V.DC to 8.0 V.DC | |
| Rated cap. range | 47 μF to 470 μF | |
| Capacitance tolerance | ±20 % (120 Hz / +20 °C) | |
| Leakage current | Please see the attached characteristics list | |
| Dissipation factor (tan δ) | Please see the attached characteristics list | |
| Surge voltage | Rated voltage × 1.15 | |
| Endurance | +105 °C, 1000 h rated voltage applied | |
| | Rated temp, +85 °C Products : +85 °C, 1000 h, rated voltage applied | |
| | Capacitance change | Within ±20 % of the initial value |
| | Dissipation factor (tan δ) | ≤ 1.5 times of the initial limit |
| Damp heat (Steady State) | +60 °C, 90 % to 95 %, 500 h, No-applied voltage | |
| | Capacitance change | Within +50 %, -20 % of the initial value (2R5TPE220MAZB (MAPB, MAFB), 2R5TPE330MAZB, 2TPE330MAFB (MADGB), 2TPE470MAJGB (MAFB), 2TPE330MFB, ETPE330MAFB (MA9GB)) |
| | | Within +40 %, -20 % of the initial value (Except for above model) |
| | Dissipation factor (tan δ) | ≤ 1.5 times of the initial limit |
| | Leakage current | ≤ 3 times of the initial limit |

Marking

R.voltage code

| | | | |
|---|-----|---|------|
| d | 2.0 | j | 6.3 |
| e | 2.5 | k | 8.0 |
| g | 4.0 | A | 10.0 |

R.capacitance code

| | | | |
|----|-----|----|-----|
| S7 | 47 | J8 | 220 |
| A8 | 100 | N8 | 330 |
| C8 | 120 | S8 | 470 |
| E8 | 150 | | |

Dimensions (not to scale)

| Size code | L±0.2 | W±0.2 | H±0.1 | S±0.2 | W1±0.1 |
|-----------|-------|-------|-------|-------|--------|
| B2 | 3.5 | 2.8 | 1.9 | 0.8 | 2.2 |

Unit : mm

* Externals of figure are the reference.

Characteristics list

| Rated voltage e (V.DC) | Rated temp. (°C) | Category voltage (V.DC) | Category temp. (°C) | Rated cap. (μF) | Case size (mm) | | | Size code | Specifications | | | | Standard | | Floor life level | |
|------------------------------|---------------------|----------------------------|------------------------|--------------------|-------------------|-----|------|-----------|---|--------------------------------|---------------------|--------------------------|---------------|--------------------------|--------------------|--------------------|
| | | | | | L | W | H | | Ripple current* ¹ (mA r.m.s.) | ESR* ² (mΩ max.) | tan δ* ³ | LC* ⁴ (μA) | Part number | Min. Packaging Qty (pcs) | Reflow temp ≤260°C | Reflow temp ≤250°C |
| 2 | 105 | 2.0 | 105 | 330 | 3.5 | 2.8 | 1.9 | B2 | 2000 | 15 | 0.08 | 132.0 | 2TPE330MFB | 2000 | 3 | 3 |
| | 85 | 1.8 | 105 | | 3.5 | 2.8 | 1.9 | | 2000 | 15 | 0.08 | 132.0 | 2TPE330MAFB | 2000 | | |
| | 85 | 1.8 | 105 | | 3.5 | 2.8 | 1.9 | | 2000 | 13/300kHz | 0.10 | 132.0 | 2TPE330MADGB | 2000 | | |
| | 85 | 1.8 | 105 | 470 | 3.5 | 2.8 | 1.9 | | 2300 | 15 | 0.10 | 188.0 | 2TPE470MAFB | 2000 | | |
| | 85 | 1.8 | 105 | | 3.5 | 2.8 | 1.9 | | 2300 | 11/300kHz | 0.08 | 188.0 | 2TPE470MAJGB | 2000 | | |
| 2.5 | 85 | 2.0 | 105 | 220 | 3.5 | 2.8 | 1.9 | | 2000 | 15 | 0.08 | 110.0 | 2R5TPE220MAFB | 2000 | | |
| | 105 | 2.5 | 105 | | 3.5 | 2.8 | 1.9 | | 1800 | 15/300kHz | 0.08 | 110.0 | 2R5TPE220MFGB | 2000 | | |
| | 105 | 2.5 | 105 | | 3.5 | 2.8 | 1.9 | | 1700 | 21 | 0.08 | 55.0 | 2R5TPE220MLB | 2000 | | |
| | 85 | 2.0 | 105 | | 3.5 | 2.8 | 1.9 | | 1600 | 25 | 0.08 | 55.0 | 2R5TPE220MAPB | 2000 | | |
| | 105 | 2.5 | 105 | | 3.5 | 2.8 | 1.9 | | 1400 | 35 | 0.08 | 55.0 | 2R5TPE220MZB | 2000 | | |
| | 85 | 2.0 | 105 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 55.0 | 2R5TPE220MAZB | 2000 | | | | |
| | 85 | 2.0 | 105 | 330 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 82.5 | 2R5TPE330MAZB | 2000 | | | |
| | 85 | 2.0 | 105 | | 3.5 | 2.8 | 1.9 | 3200 | 9/300kHz | 0.08 | 165.0 | ETPE330MA9GB | 2000 | | | |
| | 105 | 2.5 | 105 | | 3.5 | 2.8 | 1.9 | 3200 | 9/300kHz | 0.08 | 165.0 | ETPE330M9GB | 2000 | | | |
| | 85 | 2.0 | 105 | | 3.5 | 2.8 | 1.9 | 2700 | 15 | 0.08 | 165.0 | ETPE330MAFB | 2000 | | | |
| 105 | 2.5 | 105 | 3.5 | | 2.8 | 1.9 | 2700 | 15 | 0.08 | 165.0 | ETPE330MFB | 2000 | | | | |
| 4 | 105 | 4.0 | 105 | 100 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 40.0 | 4TPE100MZB | 2000 | | | |
| | 85 | 3.2 | 105 | 150 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 60.0 | 4TPE150MAZB | 2000 | | | |
| | 85 | 3.2 | 105 | 220 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 88.0 | 4TPE220MAZB | 2000 | | | |
| 6.3 | 105 | 6.3 | 105 | 100 | 3.5 | 2.8 | 1.9 | 1600 | 25 | 0.08 | 63.0 | 6TPE100MPB | 2000 | | | |
| | 85 | 5.0 | 105 | | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 63.0 | 6TPE100MAZB | 2000 | | | |
| | 105 | 6.3 | 105 | | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 63.0 | 6TPE100MZB | 2000 | | | |
| | 85 | 5.0 | 105 | 120 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 75.6 | 6TPE120MAZB | 2000 | | | |
| | 85 | 5.0 | 105 | 150 | 3.5 | 2.8 | 1.9 | 1600 | 25 | 0.08 | 94.5 | 6TPE150MAPB | 2000 | | | |
| | 85 | 5.0 | 105 | | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 94.5 | 6TPE150MAZB | 2000 | | | |
| | 85 | 5.0 | 105 | 220 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.10 | 138.6 | 6TPE220MAZB | 2000 | | | |
| | 85 | 5.0 | 105 | | 3.5 | 2.8 | 1.9 | 1600 | 25 | 0.10 | 138.6 | 6TPE220MAPB | 2000 | | | |
| 8 | 85 | 6.3 | 105 | 100 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 80.0 | 8TPE100MAZB | 2000 | | | |
| 10 | 85 | 8.0 | 105 | 47 | 3.5 | 2.8 | 1.9 | 1400 | 35 | 0.08 | 47.0 | 10TPE47MAZB | 2000 | | | |

*1: Ripple current (100 kHz / +45 °C)

*2: ESR (100 kHz / +20 °C)

*3: tan δ (120 Hz / +20 °C)

*4: After 5 minutes

• Please refer to each page in this catalog for "Reflow conditions" and "Taping specifications".

Surface Mount Type

Series: **TPE** Size : **D**



POSCAP

Features

- Low profile (Height 1.5 mm max.)
- Low ESR (7 mΩ)
- Large capacitance (1500 μF max.)
- RoHS compliance, Halogen free

Specifications

| Size code | D15E | D2E | D3L | D4 |
|----------------------------|---|--|------------------|-------------------|
| Category temp. range | -55 °C to +105 °C | | | |
| Rated volt. range | 6.3 V.DC | 2.5 V.DC to 10 V.DC | | |
| Category volt. range | 5.0 V.DC | 2.5 V.DC to 10 V.DC | | |
| Rated cap. range | 470 μF | 68 μF to 470 μF | 220 μF to 680 μF | 330 μF to 1500 μF |
| Capacitance tolerance | ±20 % (120 Hz / +20 °C) | | | |
| Leakage current | Please see the attached characteristics list | | | |
| Dissipation factor (tan δ) | Please see the attached characteristics list | | | |
| Surge voltage | Rated voltage × 1.15 | | | |
| Endurance | +105 °C, 2000 h rated voltage applied Rated temp, +85 °C Products : +85 °C, 1000 h, rated voltage applied 6TPE330MAP, 6TPE470MAZU : +85 °C, 2000 h, | | | |
| | Capacitance change | Within ±20 % of the initial value | | |
| | Dissipation factor (tan δ) | ≤ 1.5 times of the initial limit | | |
| | Leakage current | Within the initial limit | | |
| Damp heat (Steady State) | +60 °C, 90 % to 95 %, 500 h, No-applied voltage | | | |
| | Capacitance change | Within +50 %, -20 % of the initial value (2R5TPE220M (I, F, 9), 2R5TPE330M (I, F, C, 9, 7), 2R5TPE470M (I, F, C, 9, 7), 2R5TPE1000MF, 2R5TPE1500M (F, C)) Within +40 %, -20 % of the initial value (Except for above model) | | |
| | Dissipation factor (tan δ) | ≤ 1.5 times of the initial limit | | |
| | Leakage current | ≤ 3 times of the initial limit | | |

Marking

Polarity marking(+)

R.capacitance (μF)

Lot No.

R.voltage code

| R.voltage code | | Unit : V.DC | |
|----------------|-----|-------------|------|
| e | 2.5 | j | 6.3 |
| g | 4.0 | A | 10.0 |

Dimensions (not to scale)

| Size code | Unit : mm | | | | |
|-----------|-----------|-------|-------|-------|--------|
| | L±0.2 | W±0.2 | H±0.1 | S±0.2 | W1±0.1 |
| D15E | 7.3 | 4.3 | 1.4 | 1.1 | 2.4 |
| D2E | 7.3 | 4.3 | 1.8 | 1.3 | 2.4 |
| D3L | 7.3 | 4.3 | 2.8 | 1.3 | 2.4 |
| D4 | 7.3 | 4.3 | 3.8 | 1.3 | 2.4 |

* Externals of figure are the reference.
* 1 ±0.1 :D15E, D2E

Characteristics list

| Rated voltage (V.DC) | Rated temp. (°C) | Category voltage (V.DC) | Category temp. (°C) | Rated cap. (μF) | Case size (mm) | | | Size code | Specifications | | | | Standard | | Floor life level | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------------|-------------------------|---------------------|-----------------|----------------|------|------|-----------|--|-----------------------------|---------------------|-----------------------|-------------|--------------------------|--------------------|--------------------|-------------|--------------|------|----------|-----------|-----------|--------------|------|---|------------|-----------|---|--|------------|------|---|--|------|---|--|
| | | | | | L | W | H | | Ripple current* ¹ (mA r.m.s.) | ESR* ² (mΩ max.) | tan δ* ³ | LC* ⁴ (μA) | Part number | Min. Packaging Qty (pcs) | Reflow temp ≤260°C | Reflow temp ≤250°C | | | | | | | | | | | | | | | | | | | | |
| 2.5 | 105 | 2.5 | 105 | 220 | 7.3 | 4.3 | 1.8 | D2E | 3900 | 9 | 0.10 | 55.0 | 2R5TPE220M9 | 3000 | 3 | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 3100 | 15 | 0.10 | 55.0 | 2R5TPE220MF | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 2800 | 18 | 0.10 | 55.0 | 2R5TPE220MI | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | 330 | 7.3 | 4.3 | 1.8 | | 2400 | 25 | 0.10 | 55.0 | 2R5TPE220M | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 4400 | 7 | 0.10 | 82.5 | 2R5TPE330M7 | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 3900 | 9 | 0.10 | 82.5 | 2R5TPE330M9 | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | 470 | 7.3 | 4.3 | 1.8 | | 3500 | 12 | 0.10 | 82.5 | 2R5TPE330MC | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 3100 | 15 | 0.10 | 82.5 | 2R5TPE330MF | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 2800 | 18 | 0.10 | 82.5 | 2R5TPE330MI | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | 680 | 7.3 | 4.3 | 1.8 | | 2400 | 25 | 0.10 | 82.5 | 2R5TPE330M | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 4400 | 7 | 0.10 | 117.5 | 2R5TPE470M7 | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | 3900 | 9 | 0.10 | 117.5 | 2R5TPE470M9 | 3000 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 105 | 2.5 | 105 | 1000 | 7.3 | 4.3 | | 1.8 | D3L | 3500 | 12 | 0.10 | 170.0 | | | 2R5TPE470MC | 3000 | - | | | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | | 1.8 | | 3100 | 15 | 0.10 | 170.0 | | | 2R5TPE470MI | 3000 | | | | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | | 1.8 | | 2800 | 18 | 0.10 | 170.0 | | | 2R5TPE470M | 3000 | | | | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | 1500 | 7.3 | 4.3 | | 3.8 | | D4 | 3100 | 15 | 0.10 | | | 117.5 | 2R5TPE470MFL | | | 2500 | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | | 3.8 | | | 3900 | 15 | 0.15 | | | 250.0 | 2R5TPE1000MF | | | 2000 | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | | 3.8 | | | 4400 | 12 | 0.15 | | | 375.0 | 2R5TPE1500MC | | | 2000 | | | | | | | | | | | | | | | |
| 6.3 | | 105 | 2.5 | 105 | 220 | 7.3 | 4.3 | 1.8 | D2E | | | 3900 | 15 | 0.15 | 375.0 | 2R5TPE1500MF | 2000 | - | | | | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | | | 2800 | 18 | 0.15 | 375.0 | 2R5TPE1500M | 2000 | | | | | | | | | | | | | | | | | | | |
| | | 105 | 2.5 | 105 | | 7.3 | 4.3 | 1.8 | | | | 2800 | 18 | 0.10 | 60.0 | 4TPE150MI | 3000 | | | | | | | | | | | | | | | | | | | |
| | | 10 | 105 | 4.0 | 105 | 150 | 7.3 | 4.3 | | | | 1.8 | D2E | 3100 | 15 | 0.10 | 88.0 | | | | | 4TPE220MF | 3000 | 2a | | | | | | | | | | | | |
| | | | 105 | 4.0 | 105 | | 7.3 | 4.3 | | | | 1.8 | | 2800 | 18 | 0.10 | 88.0 | | | | | 4TPE220MI | 3000 | | | | | | | | | | | | | |
| | | | 105 | 4.0 | 105 | | 7.3 | 4.3 | | | | 1.8 | | 2400 | 25 | 0.10 | 88.0 | | | | | 4TPE220M | 3000 | | | | | | | | | | | | | |
| | | | 10 | 105 | 4.0 | 105 | 330 | 7.3 | | | | 4.3 | | 1.8 | D3L | 2800 | 18 | | | | | 0.10 | 132.0 | | | 4TPE330MI | 3000 | 3 | | | | | | | | |
| | | | | 105 | 4.0 | 105 | | 7.3 | | | | 4.3 | | 1.8 | | 2400 | 25 | | | | | 0.10 | 132.0 | | | 4TPE330M | 3000 | | | | | | | | | |
| | | | | 105 | 4.0 | 105 | | 7.3 | | | | 4.3 | | 2.8 | | 3500 | 12 | | | | | 0.10 | 188.0 | | | 4TPE470MCL | 2500 | | | | | | | | | |
| | | | | 10 | 105 | 4.0 | 105 | 470 | | | | 7.3 | | 4.3 | | 2.8 | D3L | | | | | 3100 | 15 | | | 0.10 | 188.0 | | | 4TPE470MFL | 2500 | - | | | | |
| | | | | | 105 | 4.0 | 105 | | | | | 7.3 | | 4.3 | | 2.8 | | | | | | 2800 | 18 | | | 0.10 | 188.0 | | | 4TPE470MIL | 2500 | | | | | |
| | | | | | 105 | 4.0 | 105 | | | | | 7.3 | | 4.3 | | 2.8 | | | | | | 2400 | 25 | | | 0.10 | 188.0 | | | 4TPE470ML | 2500 | | | | | |
| | 10 | | | | 105 | 4.0 | 105 | 100 | | 7.3 | | 4.3 | | 1.8 | | D2E | | | 2400 | 25 | | 0.10 | 188.0 | | | 4TPE470ML | 2500 | | | 3 | | | | | | |
| | | | | | 105 | 6.3 | 105 | | | 7.3 | | 4.3 | | 1.8 | | | | | 2800 | 18 | | 0.10 | 63.0 | | | 6TPE100MI | 3000 | | | | | | | | | |
| | | | | | 105 | 6.3 | 105 | | | 7.3 | | 4.3 | | 1.8 | | | | | 2400 | 25 | | 0.10 | 63.0 | | | 6TPE100M | 3000 | | | | | | | | | |
| | | | | | 10 | 105 | 6.3 | 105 | | 150 | 7.3 | 4.3 | | 1.8 | | | | | D2E | 3100 | | 15 | 0.10 | | | 94.5 | 6TPE150MF | | | | | | | 3000 | - | |
| | | | | | | 105 | 6.3 | 105 | | | 7.3 | 4.3 | | 1.8 | | | | | | 2800 | | 18 | 0.10 | | | 94.5 | 6TPE150MI | | | | | | | 3000 | | |
| | | | | | | 105 | 6.3 | 105 | | | 7.3 | 4.3 | | 1.8 | | | | | | 2400 | | 25 | 0.10 | | | 94.5 | 6TPE150M | | | | | | | 3000 | | |
| 10 | | | | | | 105 | 6.3 | 105 | 220 | 7.3 | 4.3 | 1.8 | | D2E | | | | 2800 | | 18 | 0.10 | 138.6 | 6TPE220MI | | | 3000 | 3 | | | | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 1.8 | | | | | | 2400 | | 25 | 0.10 | 138.6 | 6TPE220M | | | 3000 | | | | | | | | | | |
| | | | | | | 85 | 5.0 | 105 | | 7.3 | 4.3 | 1.8 | | | | | | 2400 | | 25 | 0.10 | 138.6 | 6TPE220MAP | | | 3000 | | | | | | | | | | |
| | | 10 | | | | 85 | 5.0 | 105 | 330 | 7.3 | 4.3 | 1.8 | D3L | | | | | 2400 | | 25 | 0.10 | 207.9 | 6TPE330MAP | 3000 | - | | | | | | | | | | | |
| | | | | | | 85 | 5.0 | 105 | | 7.3 | 4.3 | 2.8 | | | | | | 2400 | | 25 | 0.10 | 207.9 | 6TPE330MAL | 2500 | | | | | | | | | | | | |
| | | | | | | 85 | 5.0 | 105 | | 7.3 | 4.3 | 2.8 | | | | | | 3900 | | 9/500kHz | 0.10 | 207.9 | 6TPE330MA9EL | 2500 | | | | | | | | | | | | |
| | | | 10 | | | 105 | 6.3 | 105 | 470 | 7.3 | 4.3 | 2.8 | | | D3L | | | 3100 | | 15 | 0.10 | 207.9 | 6TPE330MFL | 2500 | | | | - | | | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 2.8 | | | | | | 2800 | | 18 | 0.10 | 207.9 | 6TPE330MIL | 2500 | | | | | | | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 2.8 | | | | | | 2400 | | 25 | 0.10 | 207.9 | 6TPE330ML | 2500 | | | | | | | | | | | | |
| | | | | 10 | | 85 | 5.0 | 105 | 680 | 7.3 | 4.3 | 3.8 | | | | | D4 | 4400 | | 10 | 0.10 | 207.9 | 6TPE330MAA | 2000 | | | | | | | | - | | | | |
| | | | | | | 85 | 5.0 | 105 | | 7.3 | 4.3 | 1.4 | | | | | | 1700 | | 35 | 0.10 | 296.1 | 6TPE470MAZU | 4000 | | | | | | | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 3.8 | | | | | | 3500 | | 18 | 0.15 | 296.1 | 6TPE470MI | 2000 | | | | | | | | | | | | |
| | 10 | | | | | 105 | 6.3 | 105 | 880 | 7.3 | 4.3 | 3.8 | | | | D4 | | 3000 | | 25 | 0.15 | 296.1 | 6TPE470M | 2000 | | | | | | - | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 3.8 | | | | | | 3500 | | 18 | 0.15 | 428.4 | 6TPE680MI | 2000 | | | | | | | | | | | | |
| | | | | | | 105 | 6.3 | 105 | | 7.3 | 4.3 | 3.8 | | | | | | 3000 | | 25 | 0.15 | 428.4 | 6TPE680M | 2000 | | | | | | | | | | | | |
| | | | | | 10 | 105 | 10.0 | 105 | 68 | 7.3 | 4.3 | 1.8 | | | | | | D2E | 2400 | 25 | 0.10 | 68.0 | 10TPE68M | 3000 | | | | | | | | | | | - | |
| | | | | | | 105 | 10.0 | 105 | 220 | 7.3 | 4.3 | 2.8 | | | | | | D3L | 2800 | 18 | 0.10 | 220.0 | 10TPE220MIL | 2500 | | | | | | | | | | | | |
| | | | | | | 105 | 10.0 | 105 | | 7.3 | 4.3 | 2.8 | | | | | | | 2400 | 25 | 0.10 | 220.0 | 10TPE220ML | 2500 | | | | | | | | | | | | |
| 105 | | | | | | 10.0 | 105 | 330 | 7.3 | 4.3 | 3.8 | D4 | | 3000 | | | | 25 | 0.10 | 330.0 | 10TPE330M | 2000 | | | | | | | | | | | | | | |

*1: Ripple current (100 kHz / +45 °C)

*2: ESR (100 kHz / +20 °C)

*3: tan δ (120 Hz / +20 °C)

*4: After 5 minutes

• Please refer to each page in this catalog for "Reflow conditions" and "Taping specifications".

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<Regarding the Certificate of Compliance with the EU RoHS Directive/REACH Regulations>

- The switchover date for compliance with the RoHS Directive/REACH Regulations varies depending on the part number or series of our products.
- When you use the inventory of our products for which it is unclear whether those products are compliant with the RoHS Directive/REACH Regulation, please select "Sales Inquiry" in the website inquiry form and contact us.

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