DATA SHEET

Packaging SMD Chip and MELF resistors

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File under BCcomponents, BC08

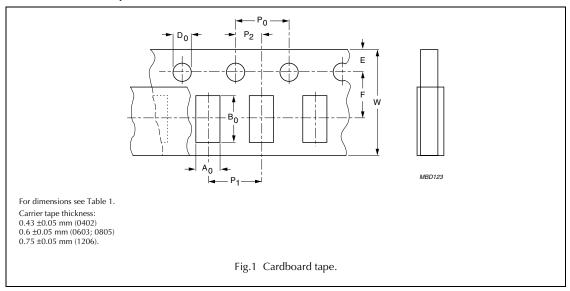


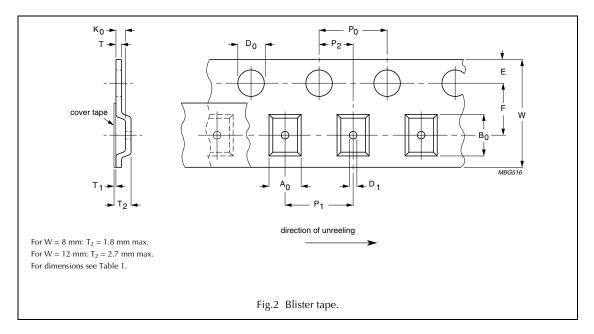
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TAPE AND REEL

All tape and reel specifications are in accordance with the second edition of "IEC 60286-3, JIS-C-0806 and EIA-481-1". Basic dimensions are given in Figs 1, 2, 3, 4 and Tables 1 and 2.

Cardboard and blister tape



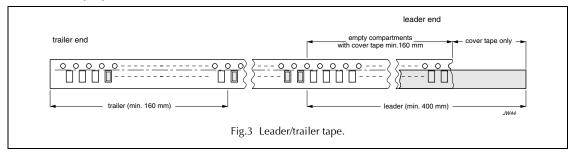


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Table 1 Dimensions of cardboard and blister tape for relevant chip size; see Figs 1 and 2

| | CARDBOARD TAPE (IEC 60286-3, TYPE I) | | | | BLISTER TA | | | |
|----------------|--------------------------------------|-------------|-----------|------|------------------------|-----------|----------|------|
| SYMBOL | PROI | OUCT SIZE (| CODE FLAT | CHIP | PRODUCT SIZE CODE MELF | | | UNIT |
| | 0402 | 0603 | 0805 | 1206 | 0102 | 0204 | 0207 | |
| A ₀ | 0.7 | 1.1 | 1.6 | 1.9 | 1.3 +0/-0.05 | 1.55 ±0.1 | 2.4 ±0.1 | mm |
| B ₀ | 1.2 | 1.9 | 2.38 | 3.5 | 2.45 +0.5/-0 | 3.7 ±0.1 | 6.0 ±0.1 | mm |
| P ₁ | 2.0 | 4.0 ±0.1 | | | | | | |
| P ₂ | 2.0 ±0.05 | | | | | | | mm |
| P ₀ | 4.0 ±0.1 | | | | | | | mm |
| D_0 | 1.5 +0.1/-0 | | | | | | | mm |
| E | 1.75 ±0.1 | | | | | | | mm |
| F | 3.5 ±0.05 5.5 ±0.05 | | | | | | mm | |
| W | 8.0 ±0.3 12.0 ±0.3 | | | | | | mm | |

Leader/trailer tape specification



The minimum length of the leader is 400 mm, which includes a minimum 160 mm of carrier tape with empty compartments and sealed by the cover tape.

The minimum length of the trailer is 160 mm carrier tape with empty compartments and sealed by the cover tape.

PEEL-OFF FORCE

Peel-off forces are 0.1 N to 1.0 N for 8 mm tape and 0.1 N to 1.3 N for 12 mm tape at a peel-off speed of 300 ± 10 mm/minute. The peel-off angle should be between 165° and 180° .

Environmental considerations

- Cover tape, carrier tape and reel do not contain environmentally-harmful PVC materials.
- Because the carrier tape is made of either paper (paper tape) or polycarbonate (blister tape) and the reel is polystyrene, they are ideally suited for recycling.
- The reels can be reused if returned to the factory.
- Tape and reel are antistatic.

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Reel specification

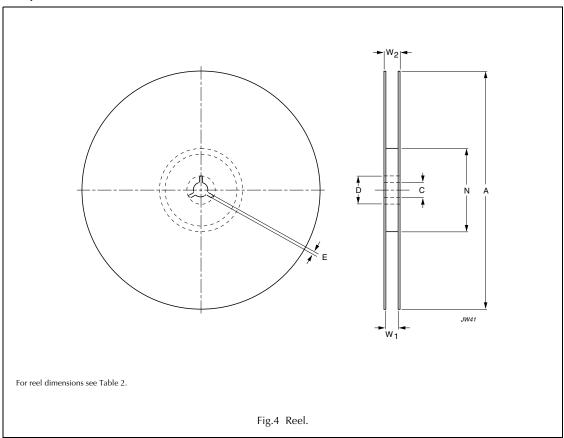


 Table 2
 Packaging codes, quantities and reel dimensions in millimetres; see Fig.4

| DESCRIPTION | VALUE | | | | | | | | |
|--------------------|------------------------|------|------|------|-------|-------|-------|------|------|
| Packaging code | P1 | B1 | BL | P5 | EO | В0 | PW | B2 | B7 |
| Units per reel | 1000 | 1000 | 3000 | 5000 | 10000 | 10000 | 20000 | 2000 | 7000 |
| A | | | 180 | | | 33 | 30 | 180 | 330 |
| W_1 | 8.4 +1.5/0 12.4 +1.5/0 | | | | | | | | |
| W _{2 max} | 14.4 18.4 | | | | | | 3.4 | | |
| Е | 2.5 ±0.5 | | | | | | | | |
| D | 22.5 ±2.0 | | | | | | | | |
| С | 13.0 +0.5/-0.25 | | | | | | | | |
| N | 62 | | | | | | | | |

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BULK CASE SPECIFICATION

The bulk case specification is in accordance with "IEC 60286-6".

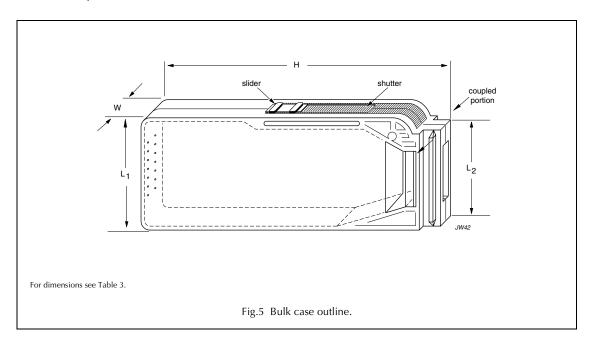


 Table 3
 Packaging codes, quantities and bulk case dimensions in millimetres; see Fig.5

| DESCRIPTION | VALUE | | | | |
|----------------|-------|------|--|--|--|
| Packaging code | М3 | M8 | | | |
| Units per reel | 3000 | 8000 | | | |
| L ₁ | 36 | | | | |
| L_2 | 31.5 | | | | |
| W | 12 | | | | |
| Н | 110 | | | | |