



Size 1812 (EIA) or 4532 (IEC)
Rated inductance 1,0 to 1000 μ H
Rated current 60 to 1300 mA



Construction

- Ferrite core
- Laser-welded winding, flame-retardant encapsulation

Features

- High current handling capability
- Suitable for reflow (IR and vapor phase) and wave soldering
- Same measuring frequency for L and Q

Applications

- Filtering of supply voltages, coupling, decoupling
- Antenna systems
- DC/DC converters
- Automotive electronics (e.g. single-wire CAN)
- Telecommunications

Terminals

- Tinned
- 0,4 μ m Cu, 1–2 μ m Ag, 5–7 μ m Sn
- Base material CuSn6
- Suitable for soldering and conductive adhesion
- No leaching during wave soldering

Marking

Marking on component:

Manufacturer and letter »T«,
 L value (in μ H) and tolerance of L value (coded),
 date of manufacture (coded)

Minimum data on reel:

Manufacturer, part number, ordering code,
 L value and tolerance of L value,
 quantity, date of packing

Delivery mode

12-mm blister tape, wound on 330-mm \varnothing reel

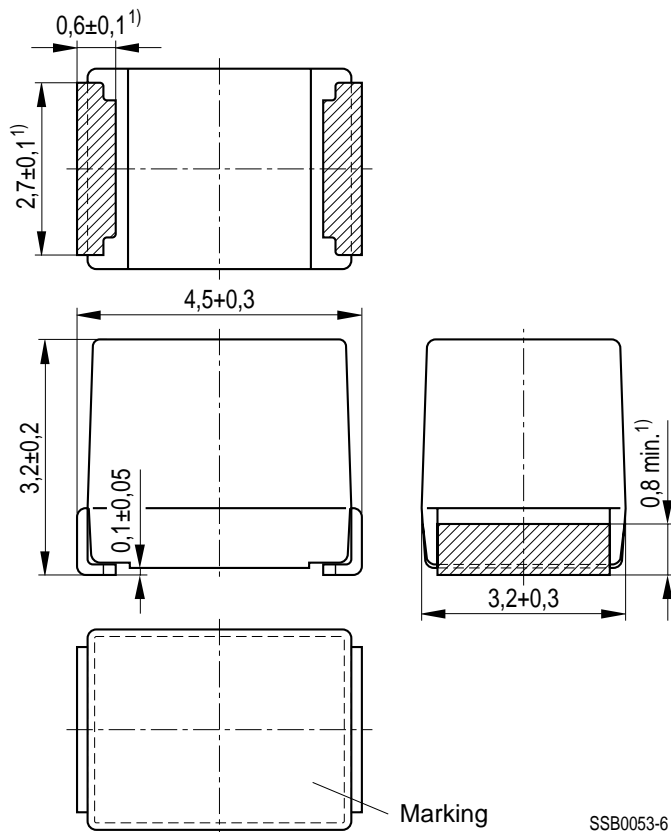
For details on taping, packing and packing units [see page 153](#)

Characteristics and ordering codes

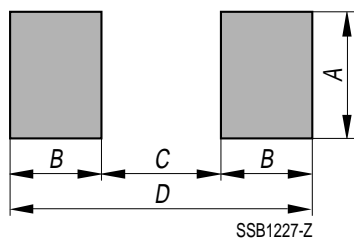
| L_R μ H | I_R mA | Ordering code |
|------------------|-------------|----------------|
| 1 ... 1000 | 60 ... 1300 | B82432-T****-+ |



Dimensional drawing



Layout recommendation



| Dimensions (mm) | A | B | C | D |
|------------------|-----|-----|-----|-----|
| Wave soldering | 3,1 | 1,7 | 3,2 | 6,6 |
| Reflow soldering | 3,6 | 1,3 | 3,2 | 5,8 |

1) Soldering area, tinned