

**Size 1812 (EIA) or 4532 (IEC)**  
**Rated inductance 1,0 to 1000  $\mu$ 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  $\mu$ m Cu, 1–2  $\mu$ m Ag, 5–7  $\mu$ 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  $\mu$ 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

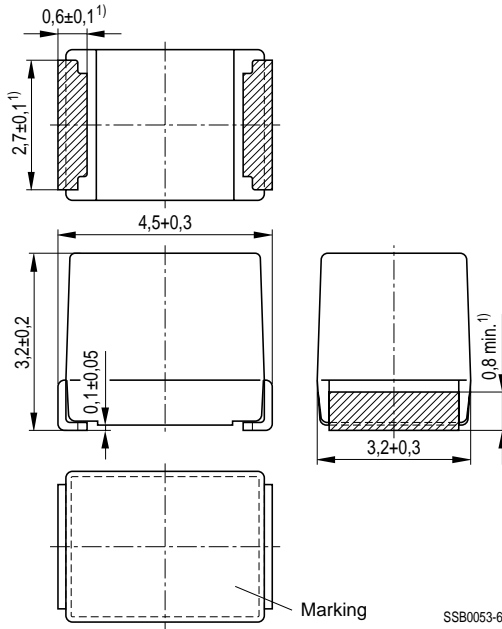
12-mm blister tape, wound on 330-mm  $\varnothing$  reel  
 For details on taping, packing and packing units [see page 153](#)

### Characteristics and ordering codes

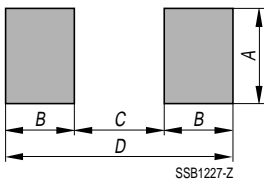
$L_R$ $\mu$ H	$I_R$ mA	Ordering code
1 ... 1000	60 ... 1300	B82432-T****-+



**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