



**Rated inductance 1  $\mu$ H .. 1000  $\mu$ H**

### Construction

- Ferrite core
- Winding: enamel copper wire
- Winding soldered to terminals
- Plastic terminal carrier

### Features

- Very high rated current
- Low DC resistance
- Suitable for reflow soldering

### Applications

- Filtering of supply voltages
- Coupling / decoupling
- DC/DC converters
- Automotive electronics

### Terminals

- Tinned

### Marking

Marking on component:

Manufacturer, L value (in  $\mu$ H), date code

Minimum marking on reel:

Manufacturer, part number, ordering code,  
L value and tolerance

quantity, date of packing

### Delivery mode

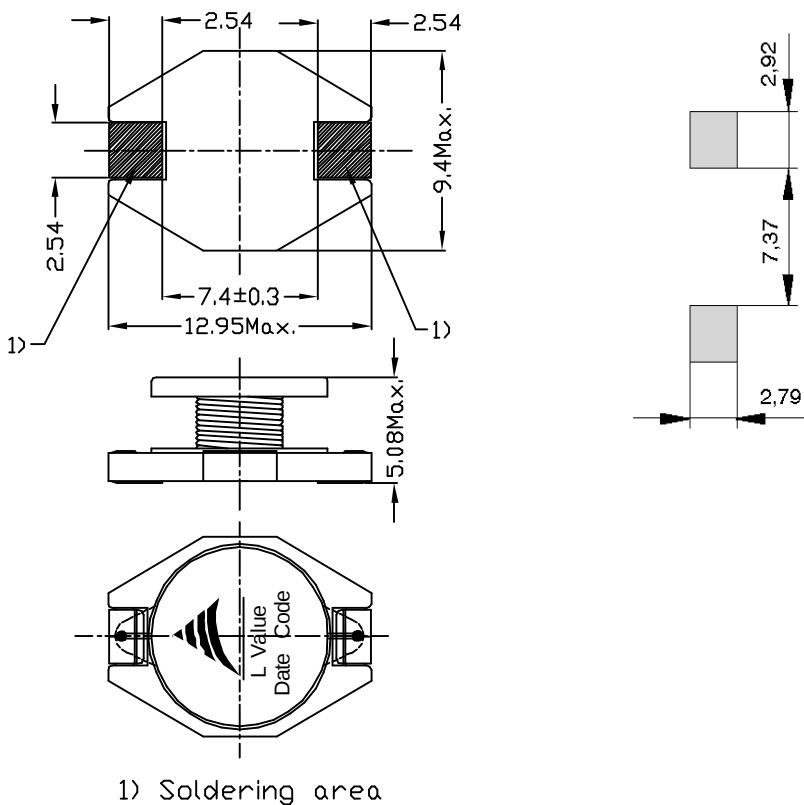
24-mm blister tape, reel packing  
packaging quantity 750pcs/reel



## General technical data

|                                     |                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Rated inductance $L_R$              | Measured with HP 4284A ,<br>measuring voltage 100 mV                                                            |
| Rated current $I_R$                 | Maximum permissible DC with temperature increase<br>of $\leq 40$ K at ambient temperature of $85^\circ\text{C}$ |
| Saturation current $I_{\text{sat}}$ | Maximum permissible DC with inductance decrease<br>$\Delta L/L_0 \approx 10\%$                                  |
| Climatic category                   | In accordance with IEC 60068-1 55/125/56<br>( $-55^\circ\text{C}/+125^\circ\text{C}/56$ days damp heat test)    |
| Solderability                       | 5s, $235^\circ\text{C}$ , wetting $> 90\%$                                                                      |
| DC resistance $R_{\text{max}}$      | Measured at $20^\circ\text{C}$ ambient temperature                                                              |
| Weight                              | Approx. 2g                                                                                                      |

## Dimensional drawing and layout recommendation




**Characteristics and ordering codes**

| $L_R$<br>$\mu H$ | $f_L$<br>MHz | Tolerance | $I_R$<br>A | $I_{sat}$<br>A | $R_{max}$<br>$\Omega$ | Ordering code  |
|------------------|--------------|-----------|------------|----------------|-----------------------|----------------|
| 1,0              | 0,1          | 20 %      | 6,8        | 9,0            | 0,0080                | B82476-A1102-M |
| 1,5              | 0,1          | 20 %      | 6,4        | 8,0            | 0,0090                | B82476-A1152-M |
| 2,2              | 0,1          | 20 %      | 6,1        | 7,0            | 0,0105                | B82476-A1222-M |
| 3,3              | 0,1          | 20 %      | 5,4        | 6,4            | 0,0135                | B82476-A1332-M |
| 4,7              | 0,1          | 20 %      | 4,8        | 5,4            | 0,0165                | B82476-A1472-M |
| 6,8              | 0,1          | 20 %      | 4,4        | 4,6            | 0,0210                | B82476-A1682-M |
| 10               | 0,1          | 20 %      | 3,9        | 3,8            | 0,0270                | B82476-A1103-M |
| 15               | 0,1          | 20 %      | 3,1        | 3,0            | 0,0400                | B82476-A1153-M |
| 22               | 0,1          | 20 %      | 2,7        | 2,6            | 0,0500                | B82476-A1223-M |
| 33               | 0,1          | 20 %      | 2,1        | 2,0            | 0,0880                | B82476-A1333-M |
| 47               | 0,1          | 20 %      | 1,8        | 1,6            | 0,120                 | B82476-A1473-M |
| 68               | 0,1          | 20 %      | 1,5        | 1,4            | 0,160                 | B82476-A1683-M |
| 100              | 0,1          | 20 %      | 1,3        | 1,2            | 0,230                 | B82476-A1104-M |
| 150              | 0,1          | 20 %      | 1,0        | 1,0            | 0,330                 | B82476-A1154-M |
| 220              | 0,1          | 20 %      | 0,8        | 0,8            | 0,530                 | B82476-A1224-M |
| 330              | 0,1          | 20 %      | 0,6        | 0,6            | 0,810                 | B82476-A1334-M |
| 470              | 0,1          | 20 %      | 0,5        | 0,5            | 1,100                 | B82476-A1474-M |
| 680              | 0,1          | 20 %      | 0,4        | 0,4            | 1,600                 | B82476-A1684-M |
| 1000             | 0,1          | 20 %      | 0,3        | 0,3            | 2,150                 | B82476-A1105-M |