



**Rated inductance 10  $\mu$ 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
- Telecommunications

### Terminals

- Tinned

### Marking

Marking on component:  
Manufacturer (Logo), 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

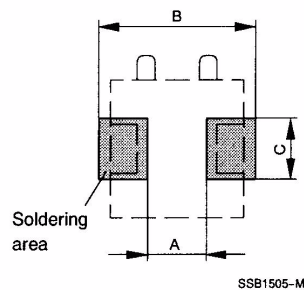
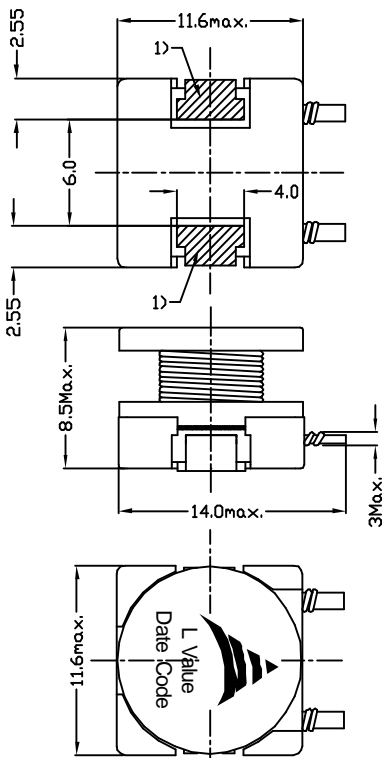
24–mm blister tape , reel packing  
packaging quantity 400pcs/reel



**General technical data**

Rated inductance $L_R$	Measured with HP 4284A , measuring voltage 100 mV
Rated current $I_R$	Maximum permissible DC with temperature increase of $\leq 40$ K at ambient temperature of 85 °C or inductance decrease $\Delta L/L_0 \approx 10\%$
Climatic category	In accordance with IEC 60068-1 55/125/56 (-55 °C/ +125 °C/ 56 days damp heat test)
Solderability	5s, 235°C, wetting > 90%
DC resistance $R_{max}$	Measured at 20 °C ambient temperature
Weight	Approx. 3g

**Dimensional drawing and layout recommendation**



A	B	C
5 mm	13 mm	5 mm


**Characteristics and ordering codes**

$L_R$ $\mu\text{H}$	$f_L$ MHz	Tolerance	$I_R$ A	$R_{\text{max}}$ $\Omega$	Ordering code
10	0,01	20 %	3,5	0,06	B82478-A1103-M
15	0,01	20 %	3,1	0,08	B82478-A1153-M
22	0,01	20 %	2,6	0,10	B82478-A1223-M
33	0,01	20 %	2,3	0,12	B82478-A1333-M
47	0,01	20 %	1,95	0,17	B82478-A1473-M
68	0,01	20 %	1,65	0,22	B82478-A1683-M
100	0,01	20 %	1,40	0,35	B82478-A1104-M
150	0,01	20 %	1,20	0,47	B82478-A1154-M
220	0,01	20 %	0,95	0,73	B82478-A1224-M
330	0,01	20 %	0,80	1,15	B82478-A1334-M
470	0,01	20 %	0,65	1,48	B82478-A1474-M
680	0,01	20 %	0,50	2,45	B82478-A1684-M
1000	0,01	20 %	0,46	3,00	B82478-A1105-M