



**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 (IR and vapor phase)

### Applications

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

### Terminals

- Tinned

### Marking

No marking on component

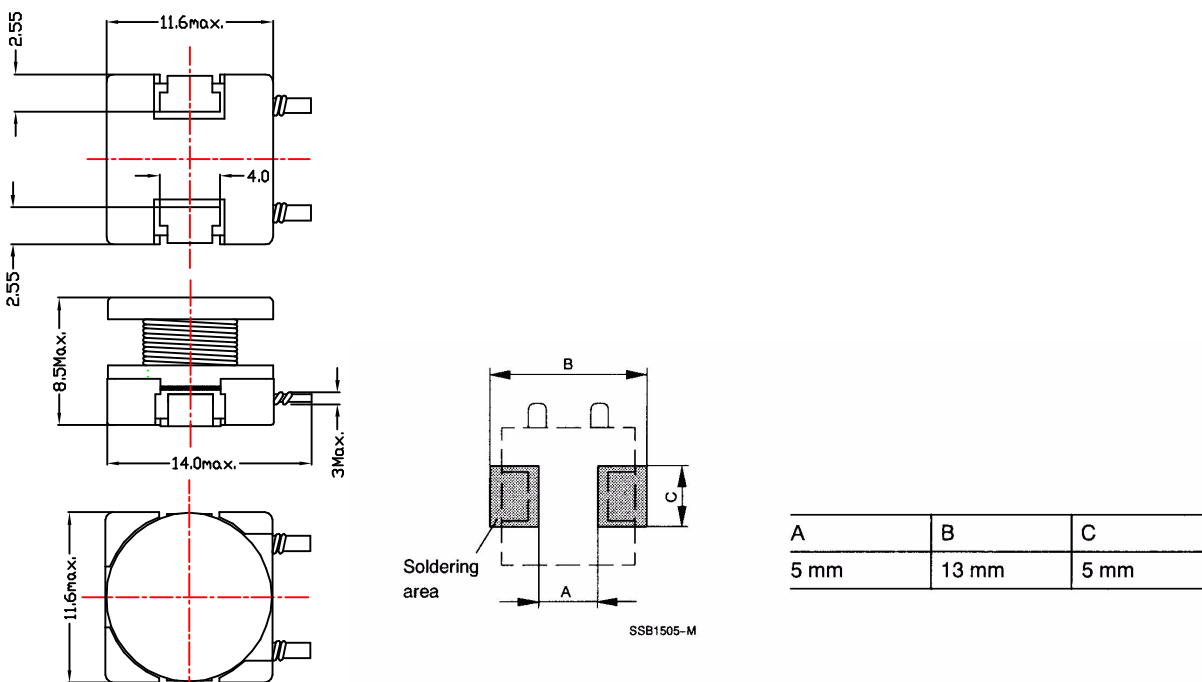
Minimum marking on reel:  
Manufacturer, part number, ordering code,  
L value and tolerance  
quantity, date of packing

### 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 $85\text{ }^\circ\text{C}$
Climatic category	In accordance with IEC 60068-1 55/125/56 ( $-55\text{ }^\circ\text{C}/ +125\text{ }^\circ\text{C}/ 56$ days damp heat test)
Solderability	5s, $235\text{ }^\circ\text{C}$ , wetting $> 90\%$
DC resistance $R_{\max}$	Measured at $20\text{ }^\circ\text{C}$ ambient temperature
Weight	Approx. 3g

**Dimensional drawing and layout recommendation**



**Characteristics and ordering codes**

$L_R$ $\mu\text{H}$	$f_L$ MHz	Tolerance	$I_R$ A	$R_{\max}$ $\Omega$	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