



Rated inductance 10 μ H .. 1000 μ 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 μ H), date code

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

Delivery mode

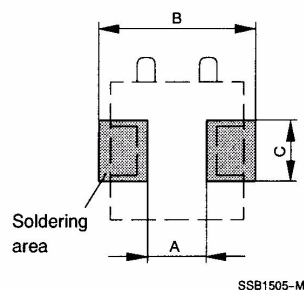
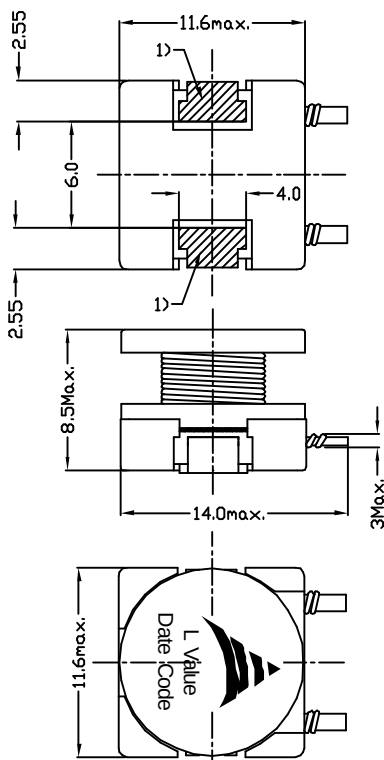
24-mm blister tape , reel packing
packaging quantity 400pcs/reel



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 ≤ 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 ($-55^\circ\text{C}/+125^\circ\text{C}/56$ 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 μH	f_L MHz	Tolerance	I_R A	R_{max} Ω	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