



Size 7x7 mm

Rated inductance 1 μ H .. 1000 μ H

Construction

- Ferrite core
- Magnetically shielded
- Winding: enamel copper wire
- Winding soldered to terminals

Features

- Wide temperature range
- High rated current
- Low DC resistance
- Suitable for reflow soldering

Applications

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

Terminals

- Leadfree tinned

Marking

Marking on component:
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

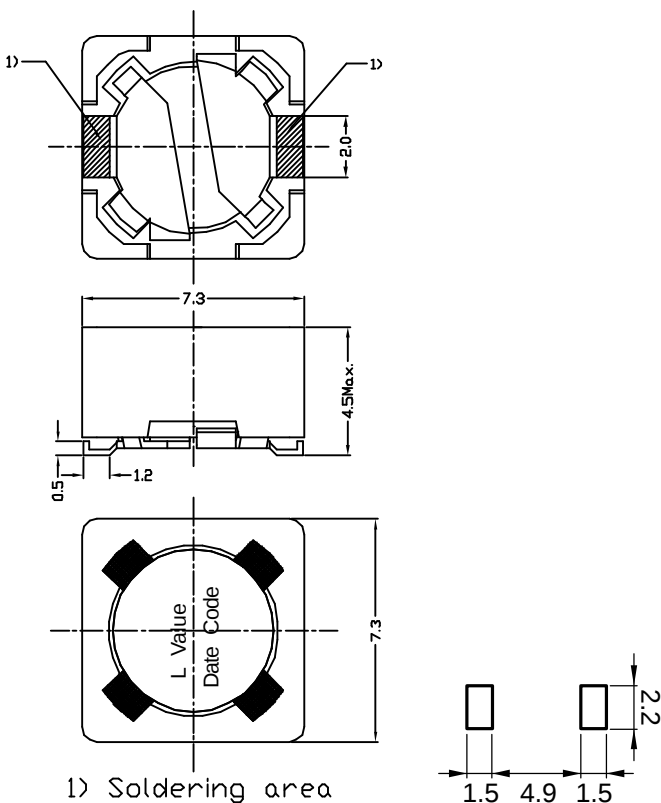
16mm-Blister tape, reel packing
packaging quantity 1000pcs/reel



General technical data

Rated inductance L_R	Measured with HP 4284A, measuring voltage 100 mV
DC resistance R_{max}	Measured at 20 °C ambient temperature
Rated current I_R	Maximum permissible DC with temperature increase of ≤ 40 K at ambient temperature of 85 °C
Saturation current I_{Sat}	Maximum permissible DC with 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%
Weight	Approx. 1,5g

Dimensional drawing and layout recommendation



tolerances $\pm 0,2$ mm



Characteristics and ordering code

L_R μH	f_L kHz	Tolerance	I_R A	I_{Sat} A	R_{max} Ω	Ordering code
1,0	100	20 %	3,60	3,30	0,015	B82472-G6102-M
1,5	100	20 %	3,40	3,00	0,017	B82472-G6152-M
2,2	100	20 %	3,00	2,80	0,020	B82472-G6222-M
3,3	100	20 %	2,85	2,50	0,023	B82472-G6332-M
4,7	100	20 %	2,50	2,00	0,030	B82472-G6472-M
6,8	100	20 %	2,15	1,70	0,040	B82472-G6682-M
10	100	20 %	1,90	1,40	0,053	B82472-G6103-M
15	100	20 %	1,53	1,35	0,080	B82472-G6153-M
22	100	20 %	1,45	1,30	0,091	B82472-G6223-M
33	100	20 %	1,15	1,15	0,15	B82472-G6333-M
47	100	20 %	1,00	0,90	0,20	B82472-G6473-M
68	100	20 %	0,82	0,68	0,26	B82472-G6683-M
100	100	20 %	0,67	0,55	0,39	B82472-G6104-M
150	100	20 %	0,53	0,43	0,58	B82472-G6154-M
220	100	20 %	0,42	0,36	0,88	B82472-G6224-M
330	100	20 %	0,31	0,30	1,70	B82472-G6334-M
470	100	20 %	0,28	0,25	2,00	B82472-G6474-M
680	100	20 %	0,24	0,20	2,75	B82472-G6684-M
1000	100	20 %	0,20	0,15	3,85	B82472-G6105-M