



Rated inductance 1 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, 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

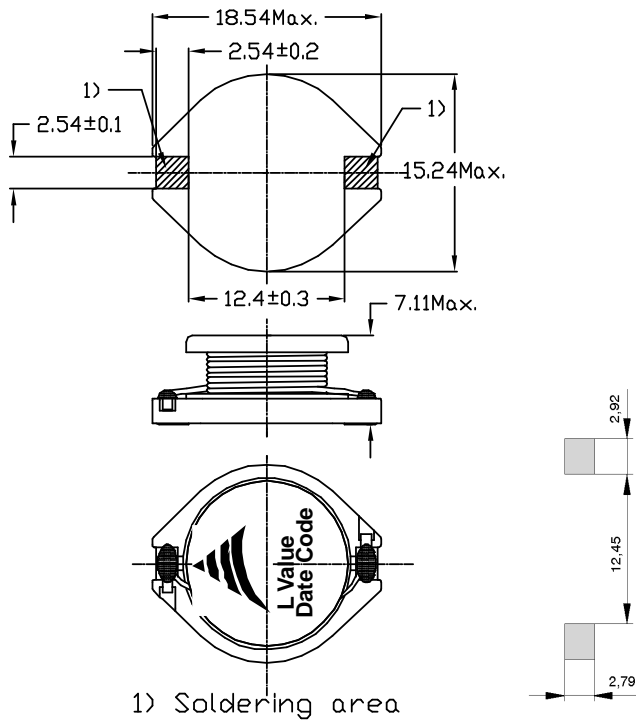
32–mm blister tape , reel packing
packaging quantity 250pcs/reel

SMD

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
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%
DC resistance R_{max}	Measured at 20 °C ambient temperature
Weight	Approx. 3g

Dimensional drawing and layout recommendation




Characteristics and ordering codes

L_R μH	f_L MHz	Tolerance	I_R A	I_{sat} A	R_{max} Ω	Ordering code
1,0	0,1	20 %	8,6	20	0,011	B82479–A1102–M
2,2	0,1	20 %	7,1	16	0,014	B82479–A1222–M
3,3	0,1	20 %	6,2	14	0,016	B82479–A1332–M
5,6	0,1	20 %	5,3	12	0,022	B82479–A1562–M
10	0,1	20 %	4,3	10	0,032	B82479–A1103–M
15	0,1	20 %	4,0	8,0	0,036	B82479–A1153–M
22	0,1	20 %	3,5	7,0	0,047	B82479–A1223–M
33	0,1	20 %	3,0	5,5	0,066	B82479–A1333–M
47	0,1	20 %	2,6	4,5	0,087	B82479–A1473–M
68	0,1	20 %	2,3	3,5	0,13	B82479–A1683–M
100	0,1	20 %	1,8	3,0	0,19	B82479–A1104–M
150	0,1	20 %	1,5	2,6	0,25	B82479–A1154–M
220	0,1	20 %	1,2	2,4	0,38	B82479–A1224–M
330	0,1	20 %	1,0	1,9	0,56	B82479–A1334–M
470	0,1	20 %	0,82	1,4	0,85	B82479–A1474–M
680	0,1	20 %	0,72	1,2	1,20	B82479–A1684–M
1000	0,1	20 %	0,56	1,0	1,80	B82479–A1105–M



Typical diagrams

