

LPS181207 SERIES

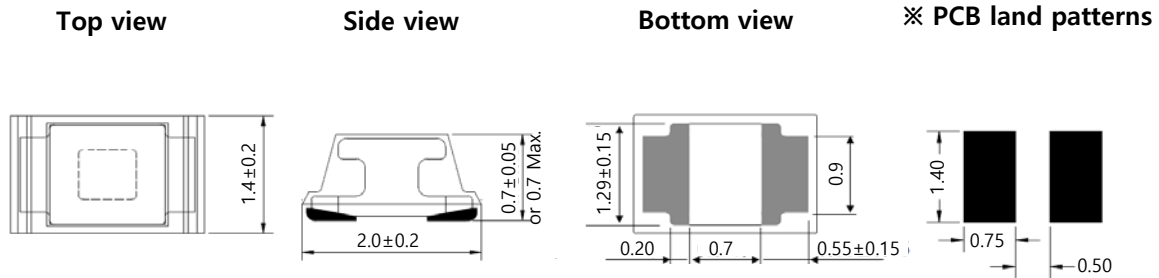


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LPS181207 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



※ Product height : 0.70±0.05 mm : 1.0 uH ~6.8 uH , 0.70 mm Max. : 10 uH

■ ELECTRICAL CHARACTERISTICS

() is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc Max. (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPS181207T - 1R0N	1.0	± 30	100	0.25	0.68	1.35
LPS181207T - 2R2M	2.2	± 20		0.52	0.45	0.88
LPS181207T - 4R7M	4.7	± 20		1.05	0.34	0.63
LPS181207T - 6R8M	6.8	± 20		1.53	0.26	0.48
LPS181207T - 100M	10.0	± 20		1.85	0.20	0.40

▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(100kHz, 0.5V)
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- Idc1(The saturation current) : $\Delta L \leq 30\%$ reduction from initial L value
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current
Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-40 ~ +105°C (Including self-generated heat)