

LPS252010 SERIES

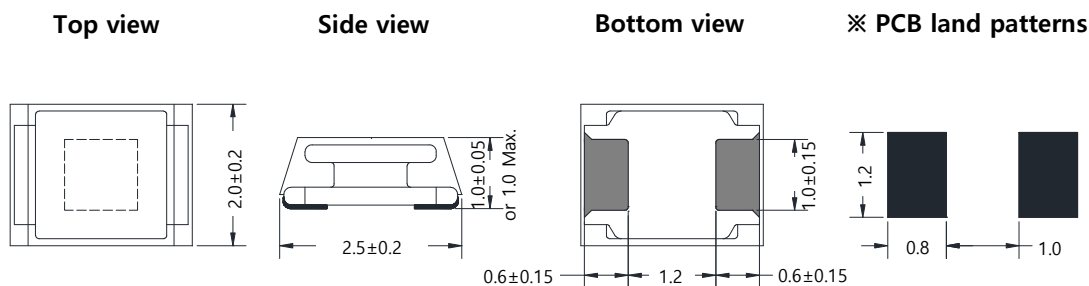


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LPS252010 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



※ Product height : 1.00±0.05 mm : 2.2 uH ~3.3 uH , 1.00 mm Max. : 1.0uH, 4.7 uH ~ 22 uH

■ ELECTRICAL CHARACTERISTICS

() is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc ±20% (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPS252010T - 1R0N	1.0	± 30	100	0.169	1.60	1.60
LPS252010T - 2R2M	2.2	± 20		0.245	1.25	1.05
LPS252010T - 3R3M	3.3	± 20		0.380	1.00	0.85
LPS252010T - 4R7M	4.7	± 20		0.480	0.90	0.78
LPS252010T - 6R8M	6.8	± 20		0.830	0.75	0.60
LPS252010T - 100M	10.0	± 20		1.050	0.64	0.50
LPS252010T - 150M	15.0	± 20		1.900	0.45	0.38
LPS252010T - 220M	22.0	± 20		2.300	0.40	0.35

▼ 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)