

# LPS181214 Series

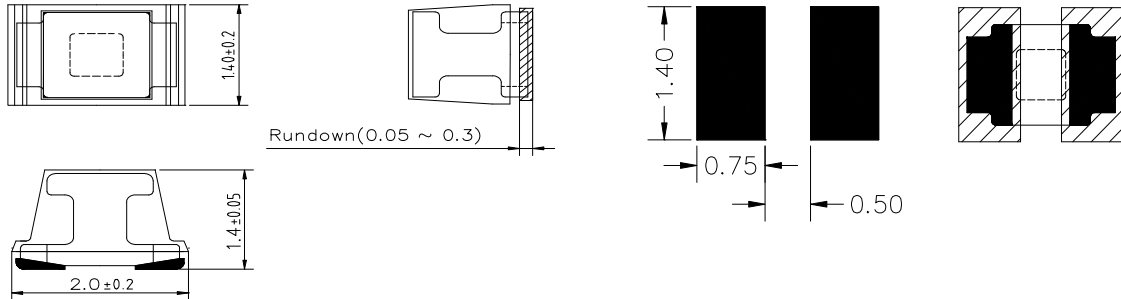


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## SMD Shielded Type

### ▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



### ▼ Electrical Characteristics

Ordering Code	Inductance		Frequency F (KHz)	DC Resistance(Ω) Rdc (Max.)	Rated DC Current(A)	
	L (uH)	Tol. (%)			Idc1 (Max.)	Idc2 (Max.)
LPS181214T-1R0M	1.0	±20	100	0.160	1.30	1.68
LPS181214T-1R5M	1.5			0.190	1.10	1.41
LPS181214T-2R2M	2.2			0.280	0.95	1.18
LPS181214T-3R3M	3.3			0.355	0.80	0.92
LPS181214T-4R7M	4.7			0.530	0.65	0.68
LPS181214T-6R8M	6.8			0.690	0.55	0.65
LPS181214T-100M	10			1.200	0.47	0.58
LPS181214T-150M	15			2.200	0.37	0.31
LPS181214T-220M	22	2.550	0.30	0.30		

### ▼ Test Equipments

- . L : Agilent E4980A Precision LCR Meter
- . Rdc : HIOKI 3540 mΩ HiTESTER
- . Idc1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source

Packing style

T : Taping

### ▼ Test Condition

- . L(Frequency , Voltage) : F=100 (KHz) , V=0.5 (V)
- . Idc1(The saturation current) :  $\Delta L \leq 30\%$  reduction from initial L value

### ▼ Operating Temperature Range

-40 ~ +85°C (Including self-generated heat)