

LPS181210 Series

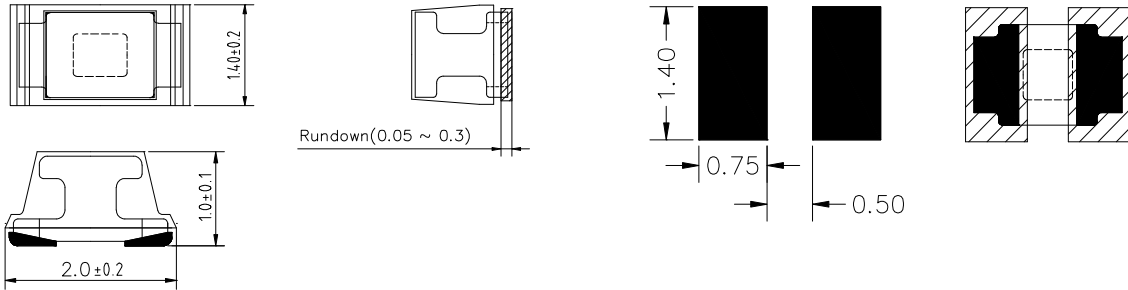


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SMD Shielded Type

▼ 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.)
LPS181210T-1R0N	1.0	±30	100	0.190	0.85	1.42
LPS181210T-1R5M	1.5	±20		0.250	0.77	1.18
LPS181210T-2R2M	2.2			0.390	0.63	0.96
LPS181210T-3R3M	3.3			0.460	0.50	0.83
LPS181210T-4R7M	4.7			0.580	0.45	0.73
LPS181210T-6R8M	6.8			0.750	0.42	0.70
LPS181210T-100M	10	1.350		0.28	0.46	
LPS181210T-150M	15	1.700		0.24	0.43	
LPS181210T-220M	22	2.450		0.19	0.34	
LPS181210T-330M	33	4.000		0.15	0.26	

▼ 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)