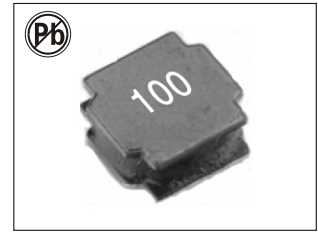


# SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded) LPS8030 SERIES



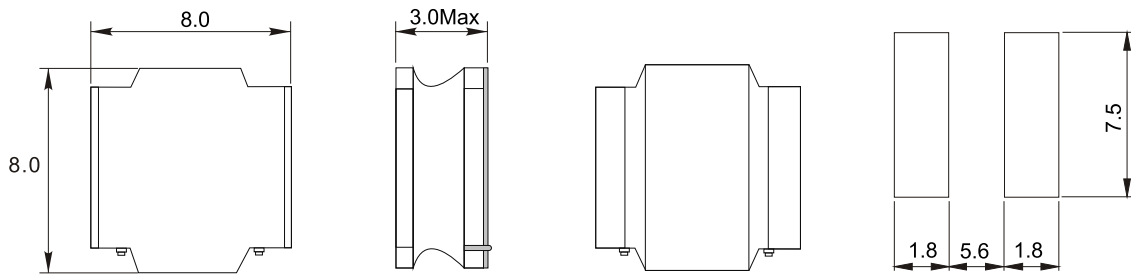
### FEATURES:

- Magnetically shielded by magnetic powder molding
- Miniature size: Mount area: 8x8mm, Height: 3.0mm max.
- Generic use for portable DC to DC converter line.
- High magnetic shield construction should actualize high resolution for EMC protection.
- Available for automatic mounting in tape and reel package.
- The products do not contain lead and support lead-free soldering.

### APPLICATIONS:

- Cellular phones, DVCs, DSCs, PDAs, LCD displays, HDDs, etc

## SHAPE AND DIMENSIONS Dimensions(mm)



## ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (uH)	Inductance tolerarance %	Test frequency KHz	SRF MHz	DCR (Ω) ± 30%	Rated current*	
						Saturation current	Based on temperature rise
LPS8030-1R0N	1.0	± 30	100	120	0.009	7.80	6.20
LPS8030-1R5N	1.5	± 30	100	80	0.012	6.20	5.30
LPS8030-2R2N	2.2	± 30	100	60	0.015	4.90	4.80
LPS8030-3R3M	3.3	± 20	100	50	0.019	4.20	4.30
LPS8030-4R7M	4.7	± 20	100	40	0.022	3.60	4.00
LPS8030-6R8M	6.8	± 20	100	32	0.029	3.00	3.40
LPS8030-100M	10	± 20	100	27	0.033	2.40	3.00
LPS8030-150M	15	± 20	100	20	0.060	2.00	2.20
LPS8030-220M	22	± 20	100	16	0.070	1.75	1.90
LPS8030-330M	33	± 20	100	13	0.120	1.30	1.50
LPS8030-470M	47	± 20	100	11	0.170	1.10	1.30

### Notes:

1. All test data is referenced to 20°C ambient.
2. Rated current: Isat or Irms, whichever is smaller.
3. Isat: DC current at which the inductance drops approximate 30% form its value without current.
4. Irms: DC current that causes the temperature rise (ΔT=40°C) form 20°C ambient.