

SMD POWER INDUCTOR

WSPRH125 Series

FEATURES/APPLICATIONS

- Carrier tape packing use for SMT.
- Small footprint
- Magnetically shielded construction.
- Suitable for reflow SMT Craft soldering.
- Lead free products, RoHS compliant.
- Widely use in Digital products & Scanner/DC-DC converter/Power supply for VTP/LCD monitor / portable terminal equipment/Telecommunications / Notebook and PC Peripheral equipments etc.

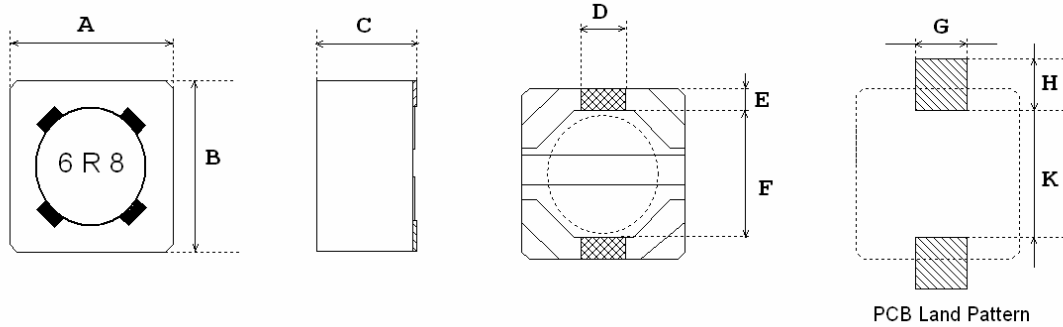
ELECTRICAL CHARACTERISTICS

Part Number	Test Condition	Inductance (uH)	Tolerance	DCR(mΩ) (max)	Rated Current (A) (max)
WSPRH125-4R7M	100Khz/0.1V	4.7	+/- 10%	30	5.00
WSPRH125-5R6M	100Khz/0.1V	5.6	+/- 10%	38	4.45
WSPRH125-6R8M	100Khz/0.1V	6.8	+/- 10%	50	4.35
WSPRH125-7R4M	100Khz/0.1V	7.4	+/- 10%	54	4.25
WSPRH125-8R7M	100Khz/0.1V	8.7	+/- 10%	58	4.15
WSPRH125-100M	100Khz/0.1V	10	+/- 10%	65	4.00
WSPRH125-120M	100Khz/0.1V	12	+/- 10%	70	3.50
WSPRH125-150M	100Khz/0.1V	15	+/- 10%	84	3.35
WSPRH125-180M	100Khz/0.1V	18	+/- 10%	95	3.00
WSPRH125-220M	100Khz/0.1V	22	+/- 10%	128	2.80
WSPRH125-270M	100Khz/0.1V	27	+/- 10%	142	2.30
WSPRH125-330M	100Khz/0.1V	33	+/- 10%	165	2.15
WSPRH125-390M	100Khz/0.1V	39	+/- 10%	210	1.95
WSPRH125-470M	100Khz/0.1V	47	+/- 10%	238	1.80
WSPRH125-560M	100Khz/0.1V	56	+/- 10%	227	1.70
WSPRH125-560M	100Khz/0.1V	68	+/- 10%	304	1.60
WSPRH125-820M	100Khz/0.1V	82	+/- 10%	390	1.40
WSPRH125-101M	100Khz/0.1V	100	+/- 10%	535	1.30
WSPRH125-121M	100Khz/0.1V	120	+/- 10%	470	1.10
WSPRH125-151M	100Khz/0.1V	150	+/- 10%	580	1.00
WSPRH125-181M	100Khz/0.1V	180	+/- 10%	690	0.90
WSPRH125-221M	100Khz/0.1V	220	+/- 10%	890	0.80
WSPRH125-271M	100Khz/0.1V	270	+/- 10%	1290	0.75
WSPRH125-331M	100Khz/0.1V	330	+/- 10%	1700	0.68
WSPRH125-391M	100Khz/0.1V	390	+/- 10%	1750	0.65
WSPRH125-471M	100Khz/0.1V	470	+/- 10%	2200	0.58
WSPRH125-561M	100Khz/0.1V	560	+/- 10%	2850	0.54

Note:

1. Inductance Measurement: HP4280A/CH1062A or LCR equivalent meter.
2. Resistance Measurement: TH2512B or DCR test equipment equivalent.
3. Rated Current Test Condition: Inductance drop by 25% or temperature rise by 40 °C, whichever reaches first.
4. Operating temperature: -40 °C - +125°C
5. Storage temperature: -40 °C - +125°C
6. Humidity: RH65% - 85%

SHAPE and DIMENSIONS (Unit: mm)



Dimensions	MM
A	12.0 ± 0.3
B	12.0 ± 0.3
C	6.0 (max)
D	5.0
E	2.5
F	7.0
G	5.5
H	3.0
K	7.0