



# SDRH125 Series



## 1. Features:

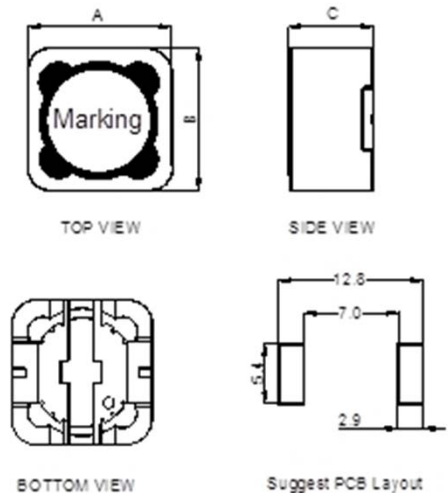
- Ferrite based SMD Inductor with lower core loss.
- Inductance Range: 1.0uH to 1000.0uH. Custom values welcomed.
- High current output chokes, up to 9.0 Amp with 25% roll off.
- Footprint 12.5 x 12.5mm Max.
- Ideal for LCD Driver, DSC/DVC, Notebook PC or High Density Board Design.
- Quantity Per Reel: 500 pcs per 13" Reel
- Operating Temperature Range -55°C to + 130°C



## 2. Electrical Characteristics:

Part Number	Test Condition	Inductance (uH)	Tolerance (%)	DCR (Ω) Max.	Rated Current (A)
SDRH125-1R0M,NHF	100KHz/0.3V	1.0	±20, ±30	10.0m	9.00
SDRH125-3R3M,NHF	100KHz/0.3V	3.3	±20, ±30	18.0m	7.50
SDRH125-100MHF	1KHz/0.3V	10.0	±20	25.0m	4.00
SDRH125-120MHF	1KHz/0.3V	12.0	±20	27.0m	3.50
SDRH125-150MHF	1KHz/0.3V	15.0	±20	30.0m	3.30
SDRH125-180MHF	1KHz/0.3V	18.0	±20	34.0m	3.00
SDRH125-220MHF	1KHz/0.3V	22.0	±20	36.0m	2.80
SDRH125-270MHF	1KHz/0.3V	27.0	±20	51.0m	2.30
SDRH125-330MHF	1KHz/0.3V	33.0	±20	57.0m	2.10
SDRH125-390MHF	1KHz/0.3V	39.0	±20	68.0m	2.00
SDRH125-470MHF	1KHz/0.3V	47.0	±20	75.0m	1.80
SDRH125-560MHF	1KHz/0.3V	56.0	±20	0.11	1.70
SDRH125-680MHF	1KHz/0.3V	68.0	±20	0.12	1.50
SDRH125-820MHF	1KHz/0.3V	82.0	±20	0.14	1.40
SDRH125-101MHF	1KHz/0.3V	100.0	±20	0.16	1.30
SDRH125-121MHF	1KHz/0.3V	120.0	±20	0.17	1.10
SDRH125-151MHF	1KHz/0.3V	150.0	±20	0.23	1.00
SDRH125-181MHF	1KHz/0.3V	180.0	±20	0.29	0.90
SDRH125-221MHF	1KHz/0.3V	220.0	±20	0.40	0.80
SDRH125-271MHF	1KHz/0.3V	270.0	±20	0.46	0.75
SDRH125-331MHF	1KHz/0.3V	330.0	±20	0.51	0.68
SDRH125-391MHF	1KHz/0.3V	390.0	±20	0.69	0.65
SDRH125-471MHF	1KHz/0.3V	470.0	±20	0.77	0.58
SDRH125-561MHF	1KHz/0.3V	560.0	±20	0.86	0.54
SDRH125-681MHF	1KHz/0.3V	680.0	±20	1.20	0.48
SDRH125-821MHF	1KHz/0.3V	820.0	±20	1.34	0.43
SDRH125-102MHF	1KHz/0.3V	1000.0	±20	1.53	0.40

## 3. Mechanical Dimensions (unit:mm):



A	B	C
Max.	Max.	Max.
12.5	12.5	6.0

### Notes:

1. Inductance is measured with a LCR meter:WK3260B&WK3265B or equivalent.
2. DCR is measured with a Digital Multimeter TH2512B or equivalent.
3. Rated Current: The rated current is the current at which the inductance decreases by 25% from the initial value or the temperature rise is  $\Delta T=40^{\circ}\text{C}$ , whichever is smaller; ( $T_a=20^{\circ}\text{C}$ )

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