

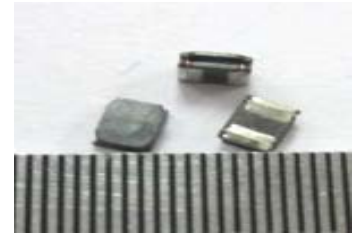


SLNR252010 Series

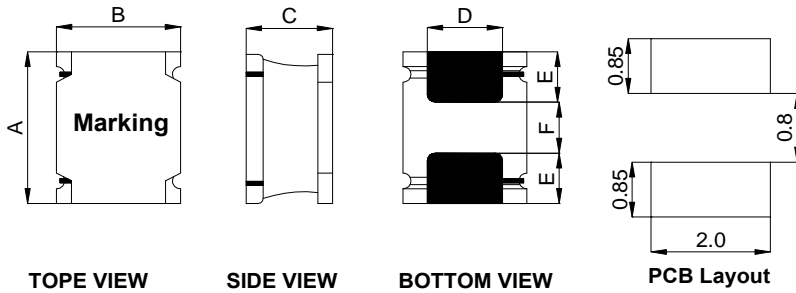


1. Features:

- Miniature SMD Shielded Power Inductor in a 2.6 x 2.1mm foot print;
- Low profile : 1.0mm max.height.
- Inductance Range of 0.47uH to 10.0uH ;
- Ideal for DC to DC power converter application ;
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;
- T & R Qtys: 2000 pcs , 7" Reel ;



2. Mechanical Dimension(Unit:mm):



Type	SLNR252010
A	2.5 ± 0.1
B	2.0 ± 0.1
C	1.0 (Max.)
D	1.5 ± 0.2
E	0.8 ± 0.2
F	0.8 ± 0.2

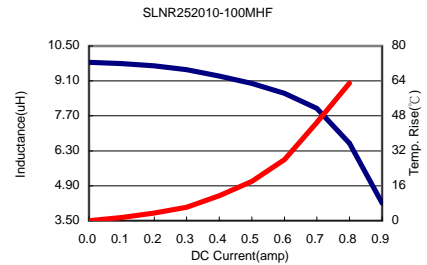
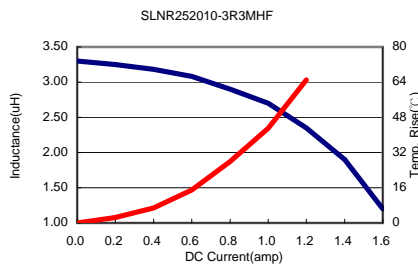
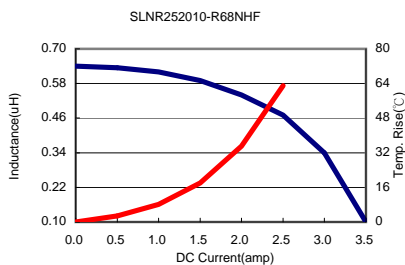
3. Electrical Characteristic of SLNR252010 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR Ω Typ.	DCR Ω Max.	Isat (A) Max.	Isat (A) Typ.	Irms (A) @25°C	SRF (MHz) Min
SLNR252010-R47NHF	0.47 , 30%	0.047	0.056	2.50	3.35	2.35	202
SLNR252010-R68NHF	0.68 , 30%	0.062	0.074	2.20	2.75	2.00	138
SLNR252010-1R0NHF	1.0 , 30%	0.090	0.108	1.85	2.20	1.65	100
SLNR252010-1R5NHF	1.5 , 30%	0.152	0.182	1.80	2.10	1.30	79
SLNR252010-2R2NHF	2.2 , 30%	0.174	0.209	1.20	1.60	1.20	61
SLNR252010-3R3MHF	3.3 , 20%	0.273	0.328	1.05	1.30	0.90	48
SLNR252010-4R7MHF	4.7 , 20%	0.469	0.563	0.95	1.15	0.70	40
SLNR252010-5R6MHF	5.6 , 20%	0.469	0.563	0.80	0.95	0.73	37
SLNR252010-6R8MHF	6.8 , 20%	0.747	0.896	0.78	0.92	0.59	32
SLNR252010-100MHF	10.0 , 20%	0.910	1.092	0.65	0.78	0.50	26

Note:

- 1.Open Circuit Inductance (OCL) and L@Isat and L@Irms test condition: 100KHz, 1.0V;(Ta=25°C);
- 2.Isat: DC current that causes inductance to drop by approximately 30% from OCL; (Ta=25°C);
- 3.Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C; (Ta=25°C);

4. Inductance vs. Current Curve:



• US 1 914 347 2474 • Taiwan 886 972 022 388 • Shenzhen 86 755 8418 6263 • Shanghai 86 21 5424 5141 • HK 852 9688 9767 •