

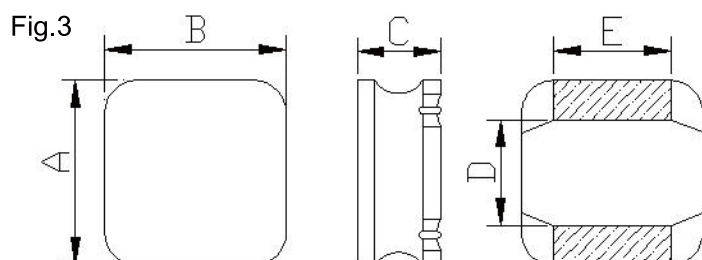
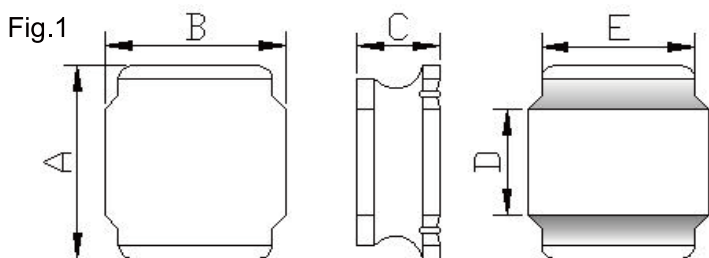


PRODUCT IDENTIFICATION

SRNR 3015 I Y D 101 M I 00
a b c d e f g h i

- a: Series name
- b: Product dimensions (a x c)
- c: Shape (T:12-Sided、B:8-Sided、S:4-Sided)
- d: Sealing way (L: Cold seal Y: Heat seal)
- e: Lettering direction ▶
- f: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- g: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- h: Package(T:Tape/Reel、B: Bulk)
- i: Numbering (standard)

SHAPES AND DIMENSIONS



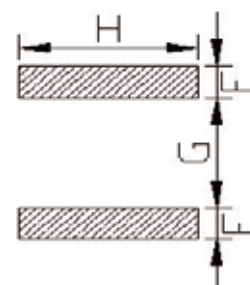
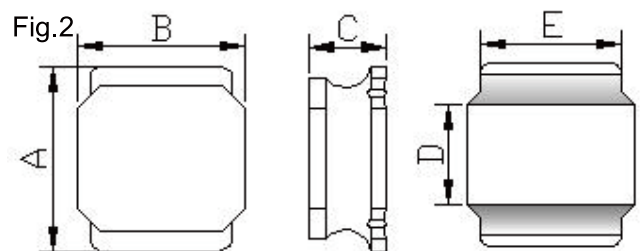
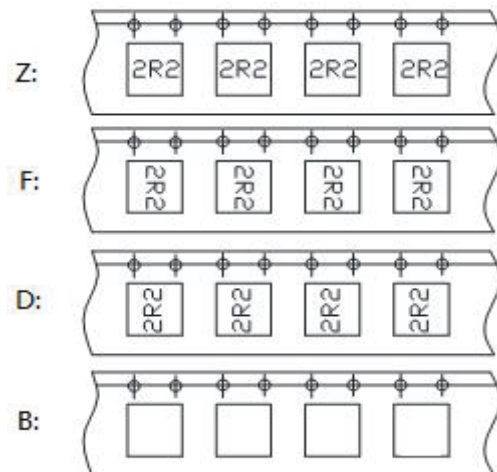
FEATURES

- ◆ low profile, low RDC, high current handling capacities.
- ◆ Magnetically shielded structure that ensures the high-density mounting configurations.
- ◆ Flat bottom surface ensures secure, reliable mounting.

APPLICATIONS

- ◆ Ideally used in Digital camera, notebook, PC, LCD TV set, DC-DC Converters, etc.

▶ Lettering direction



※ All products are printed with Marking except the 201610, 252010, 252012 series.

SHAPES AND DIMENSIONS

Series	Shape	Dimensions(mm)							
		A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
SRNS.201610	Fig.1	2.0±0.2	1.6±0.2	1.05	0.8±0.2	1.60	0.70	0.70	1.60
SRNS.252010	Fig.1	2.5±0.2	2.0±0.2	1.05	0.8±0.2	2.00	0.85	0.80	2.00
SRNR.252012	Fig.1	2.5±0.2	2.0±0.2	1.20	0.8±0.2	2.00	0.85	0.80	2.00
SRNR.3010	Fig.2	3.0±0.2	3.0±0.2	1.00	1.5±0.2	2.50	0.80	1.50	2.70
SRNR.3012	Fig.2	3.0±0.2	3.0±0.2	1.20	1.5±0.2	2.50	0.80	1.50	2.70
SRNR.3015	Fig.1	3.0±0.2	3.0±0.2	1.50	1.5±0.2	2.50	0.80	1.50	2.70
SRNR.4010	Fig.2	4.0±0.2	4.0±0.2	1.00	2.1±0.2	3.30	1.10	1.90	3.70
SRNR.4012	Fig.2	4.0±0.2	4.0±0.2	1.20	2.1±0.2	3.30	1.10	1.90	3.70
SRNR.4018	Fig.1	4.0±0.2	4.0±0.2	1.80	2.1±0.2	3.30	1.10	1.90	3.70
SRNR.4020	Fig.1	4.0±0.2	4.0±0.2	2.00	2.1±0.2	3.30	1.10	1.90	3.70
SRNR.4030	Fig.1	4.0±0.2	4.0±0.2	3.00	2.1±0.2	3.30	1.10	1.90	3.70
SRNR.5012	Fig.2	5.0±0.2	5.0±0.2	1.20	2.5±0.2	4.00	1.40	2.30	4.20
SRNR.5020	Fig.1	5.0±0.2	5.0±0.2	2.00	2.5±0.2	4.00	1.40	2.30	4.20
SRNR.5030	Fig.1	5.0±0.2	5.0±0.2	3.00	2.5±0.2	4.00	1.40	2.30	4.20
SRNR.5040	Fig.1	5.0±0.2	5.0±0.2	4.00	2.5±0.2	4.00	1.40	2.30	4.20
SRNR.6020	Fig.1	6.0±0.3	6.0±0.3	2.00	2.9±0.3	4.90	1.70	2.80	5.70
SRNR.6028	Fig.1	6.0±0.3	6.0±0.3	2.80	2.9±0.3	4.90	1.70	2.80	5.70
SRNR.6045	Fig.1	6.0±0.3	6.0±0.3	4.50	2.9±0.3	4.90	1.70	2.80	5.70
SRNR.8040	Fig.1	8.0±0.3	8.0±0.3	4.20	4.0±0.3	6.30	2.20	3.80	7.50
SRNR.8060	Fig.1	8.0±0.3	8.0±0.3	6.00	4.0±0.3	6.30	2.20	3.80	7.50
SRNR.8065	Fig.1	8.0±0.3	8.0±0.3	6.50	4.0±0.3	6.30	2.20	3.80	7.50
SRNR.1050	Fig.3	10±0.3	10±0.3	5.00	6.5±0.3	4.50	2.20	6.20	5.40

SHAPES AND DIMENSIONS

Series	Shape	Dimensions(mm)							
		A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
SRNH.201610	Fig.1	2.0±0.2	1.6±0.2	1.05	0.8±0.2	1.60	0.70	0.70	1.60
SRNH.252010	Fig.1	2.5±0.2	2.0±0.2	1.05	0.8±0.2	2.00	0.85	0.80	2.00
SRNH.252012	Fig.1	2.5±0.2	2.0±0.2	1.20	0.8±0.2	2.00	0.85	0.80	2.00
SRNH.3012	Fig.1	3.0±0.2	3.0±0.2	1.20	1.5±0.2	2.50	0.80	1.50	2.70
SRNH.3015	Fig.1	3.0±0.2	3.0±0.2	1.50	1.5±0.2	2.50	0.80	1.50	2.70
SRNH.4012	Fig.2	4.0±0.2	4.0±0.2	1.00	2.1±0.2	3.30	1.10	1.90	3.70
SRNH.4020	Fig.1	4.0±0.2	4.0±0.2	1.20	2.1±0.2	3.30	1.10	1.90	3.70

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRNR.1050.TYD1R0NT00	1.0	100/1	0.018	14.2	6.40
SRNR.1050.TYD1R5NT00	1.5	100/1	0.020	12.8	6.00
SRNR.1050.TYD2R2NT00	2.2	100/1	0.025	12.1	5.50
SRNR.1050.TYD3R3NT00	3.3	100/1	0.027	11.2	5.00
SRNR.1050.TYD4R7NT00	4.7	100/1	0.030	10.3	4.60
SRNR.1050.TYD6R8MT00	6.8	100/1	0.037	9.00	4.20
SRNR.1050.TYD100MT00	10	100/1	0.048	7.20	3.70
SRNR.1050.TYD150MT00	15	100/1	0.059	6.00	3.20
SRNR.1050.TYD220MT00	22	100/1	0.085	4.30	2.70
SRNR.1050.TYD330MT00	33	100/1	0.104	4.00	2.30
SRNR.1050.TYD470MT00	47	100/1	0.163	3.30	2.00
SRNR.1050.TYD680MT00	68	100/1	0.235	3.00	1.80
SRNR.1050.TYD101MT00	100	100/1	0.338	2.50	1.40
SRNR.1050.TYD151MT00	150	100/1	0.438	2.00	1.20
SRNR.1050.TYD221MT00	220	100/1	0.675	1.80	1.00
SRNR.1050.TYD271MT00	270	100/1	0.858	1.50	0.90
SRNR.1050.TYD331MT00	330	100/1	1.10	1.40	0.85
SRNR.1050.TYD471MT00	470	100/1	1.43	1.20	0.73
SRNR.1050.TYD561MT00	560	100/1	1.75	1.10	0.68
SRNR.1050.TYD681MT00	680	100/1	1.98	1.00	0.65
SRNR.1050.TYD821MT00	820	100/1	2.73	0.90	0.55
SRNR.1050.TYD102MT00	1000	100/1	3.42	0.80	0.50

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current(Isat): DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;