

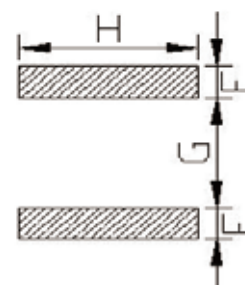
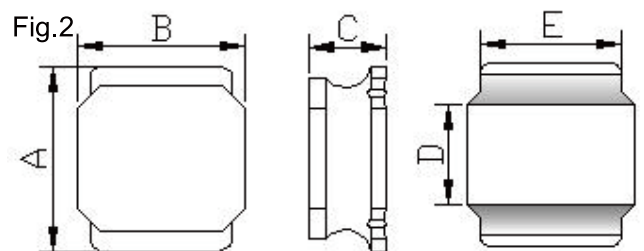
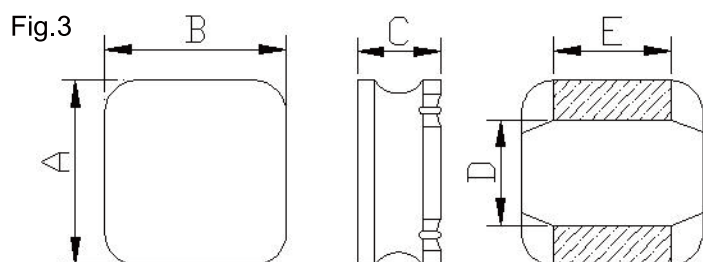
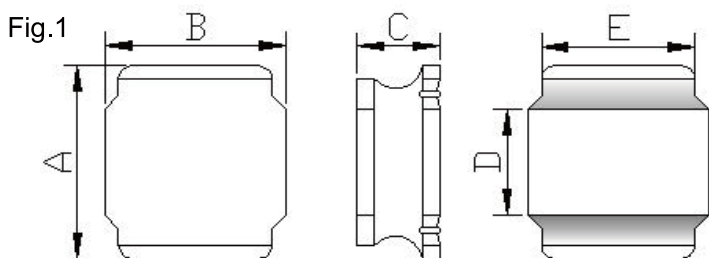


PRODUCT IDENTIFICATION

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



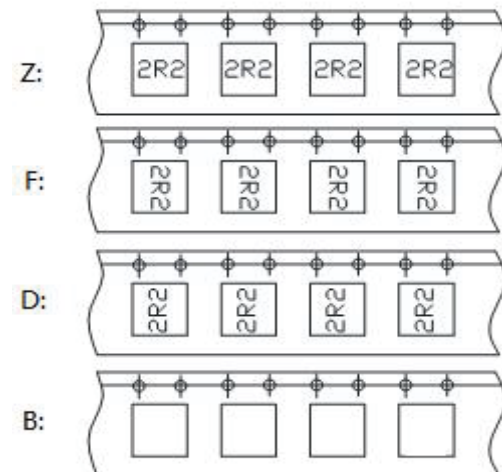
FEATURES

- ◆ 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

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRNR.6045.TYDR68NT00	0.68	100/1	0.011	9.50	5.70
SRNR.6045.TYD1R0NT00	1.0	100/1	0.014	9.00	5.10
SRNR.6045.TYD1R2NT00	1.2	100/1	0.014	8.35	4.90
SRNR.6045.TYD1R5NT00	1.5	100/1	0.016	7.50	4.75
SRNR.6045.TYD2R2NT00	2.2	100/1	0.022	6.50	4.10
SRNR.6045.TYD3R3NT00	3.3	100/1	0.026	5.30	3.20
SRNR.6045.TYD3R6NT00	3.6	100/1	0.027	5.00	3.10
SRNR.6045.TYD4R7NT00	4.7	100/1	0.034	4.50	3.00
SRNR.6045.TYD5R6NT00	5.6	100/1	0.040	3.70	2.80
SRNR.6045.TYD6R8MT00	6.8	100/1	0.043	3.30	2.70
SRNR.6045.TYD8R2MT00	8.2	100/1	0.055	3.10	2.60
SRNR.6045.TYD100MT00	10	100/1	0.067	3.00	2.50
SRNR.6045.TYD120MT00	12	100/1	0.075	2.80	2.20
SRNR.6045.TYD150MT00	15	100/1	0.100	2.50	1.90
SRNR.6045.TYD180MT00	18	100/1	0.122	2.20	1.65
SRNR.6045.TYD220MT00	22	100/1	0.149	2.00	1.50
SRNR.6045.TYD270MT00	27	100/1	0.165	1.90	1.45
SRNR.6045.TYD330MT00	33	100/1	0.195	1.65	1.40
SRNR.6045.TYD360MT00	36	100/1	0.225	1.62	1.30
SRNR.6045.TYD470MT00	47	100/1	0.286	1.40	1.20
SRNR.6045.TYD560MT00	56	100/1	0.338	1.30	1.10
SRNR.6045.TYD680MT00	68	100/1	0.377	1.20	0.90
SRNR.6045.TYD820MT00	82	100/1	0.495	1.05	0.85
SRNR.6045.TYD101MT00	100	100/1	0.559	1.00	0.74
SRNR.6045.TYD121MT00	120	100/1	0.629	0.85	0.66
SRNR.6045.TYD151MT00	150	100/1	0.884	0.80	0.60
SRNR.6045.TYD181MT00	180	100/1	1.15	0.75	0.54
SRNR.6045.TYD221MT00	220	100/1	1.29	0.70	0.50
SRNR.6045.TYD271MT00	270	100/1	1.37	0.65	0.46
SRNR.6045.TYD301MT00	300	100/1	1.76	0.60	0.42
SRNR.6045.TYD331MT00	330	100/1	1.85	0.57	0.42
SRNR.6045.TYD471MT00	470	100/1	2.57	0.50	0.35
SRNR.6045.TYD561MT00	560	100/1	3.25	0.44	0.32
SRNR.6045.TYD681MT00	680	100/1	4.07	0.42	0.29
SRNR.6045.TYD801MT00	800	100/1	4.81	0.35	0.27
SRNR.6045.TYD102MT00	1000	100/1	5.90	0.32	0.25
SRNR.6045.TYD132MT00	1300	100/1	7.02	0.27	0.23
SRNR.6045.TYD152MT00	1500	100/1	8.45	0.24	0.20

SRNR.6045.TYD202MT00	2000	200/0.25	12.35	0.22	0.18
SRNR.6045.TYD222KT00	2200	200/0.25	12.48	0.20	0.16
SRNR.6045.TYD252MT00	2500	200/0.25	15.47	0.19	0.14
SRNR.6045.TYD302MT00	3000	200/0.25	19.50	0.18	0.13
SRNR.6045.TYD332MT00	3300	200/0.25	21.50	0.17	0.12
SRNR.6045.TYD472MT00	4700	200/0.25	27.30	0.15	0.10
SRNR.6045.TYD103MT00	10000	200/0.25	53.70	0.10	0.07

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: 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;