

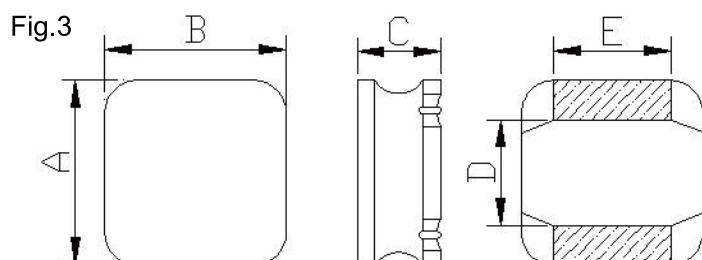
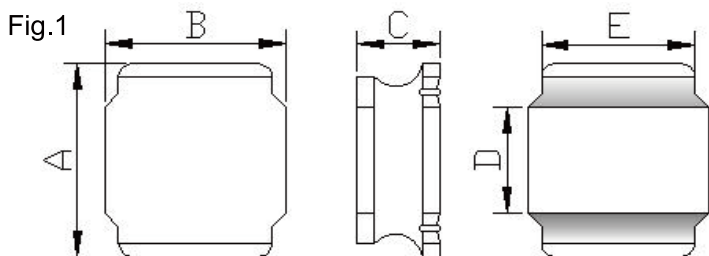


PRODUCT IDENTIFICATION

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



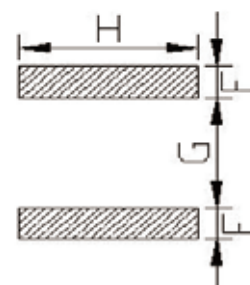
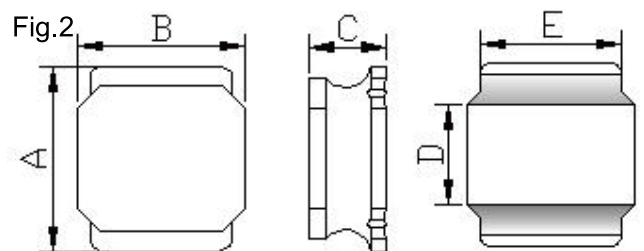
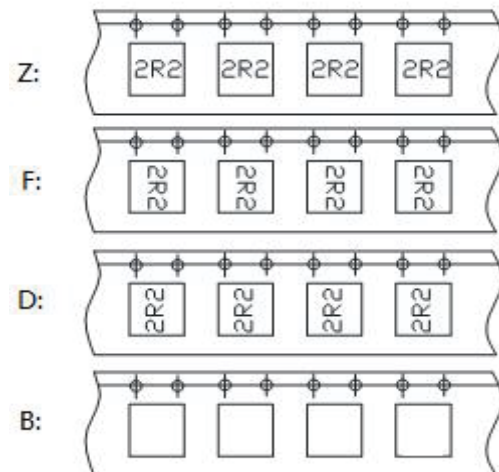
FEATURES

- ◆ 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 (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRNR.3010.BYD1R0NT00	1.0	100/1	0.084	1.40	1.20
SRNR.3010.BYD1R5NT00	1.5	100/1	0.130	1.27	1.10
SRNR.3010.BYD2R2MT00	2.2	100/1	0.143	1.15	0.95
SRNR.3010.BYD3R3MT00	3.3	100/1	0.257	0.97	0.82
SRNR.3010.BYD4R7MT00	4.7	100/1	0.293	0.75	0.63
SRNR.3010.BYD6R8MT00	6.8	100/1	0.510	0.70	0.60
SRNR.3010.BYD100MT00	10	100/1	0.690	0.55	0.47
SRNR.3010.BYD150MT00	15	100/1	1.090	0.42	0.40
SRNR.3010.BYD220MT00	22	100/1	1.200	0.35	0.32
SRNR.3010.BYD330MT00	33	100/1	2.360	0.29	0.25
SRNR.3010.BYD390MT00	39	100/1	2.550	0.28	0.23
SRNR.3010.BYD470MT00	47	100/1	2.800	0.22	0.20

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRNR.3012.TYDR47NT00	0.47	100/1	0.035	2.20	2.20
SRNR.3012.TYDR82NT00	0.82	100/1	0.039	2.05	2.10
SRNR.3012.TYD1R0NT00	1.0	100/1	0.052	1.90	2.00
SRNR.3012.TYD1R5NT00	1.5	100/1	0.059	1.65	1.85
SRNR.3012.TYD2R2MT00	2.2	100/1	0.098	1.20	1.55
SRNR.3012.TYD3R3MT00	3.3	100/1	0.130	1.05	1.36
SRNR.3012.TYD3R9MT00	3.9	100/1	0.145	1.00	1.24
SRNR.3012.TYD4R7MT00	4.7	100/1	0.156	0.90	1.24
SRNR.3012.TYD6R8MT00	6.8	100/1	0.247	0.75	0.98
SRNR.3012.TYD100MT00	10	100/1	0.345	0.60	0.83
SRNR.3012.TYD120MT00	12	100/1	0.449	0.48	0.73
SRNR.3012.TYD150MT00	15	100/1	0.468	0.45	0.71
SRNR.3012.TYD220MT00	22	100/1	0.839	0.42	0.53
SRNR.3012.TYD330MT00	33	100/1	1.138	0.36	0.46
SRNR.3012.TYD470MT00	47	100/1	1.885	0.27	0.35
SRNR.3012.TYD680MT00	68	100/1	2.171	0.24	0.33

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;