SMD Power Inductors
SRNR Series

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.

PRODUCT IDENTIFICATION

SRNR	3015	T	Y	D	101	M	T	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

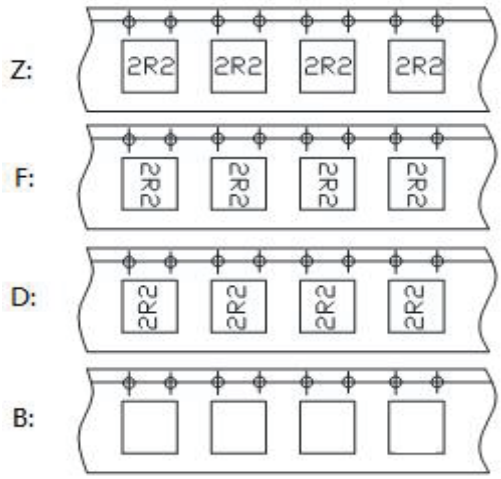
(1R0:1.0uH; 100: 10uH; 101:100uH)

g：Inductance Tolerance (K:10% ; M:20% ; N:30%)

h：Package(T:Tape/Reel、B: Bulk)

i：Numbering（standard）

▶ Lettering direction



SHAPES AND DIMENSIONS

Fig.1

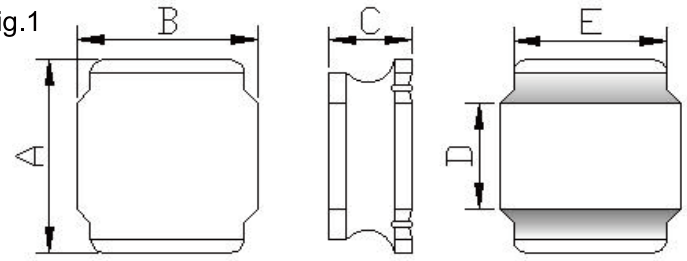


Fig.2

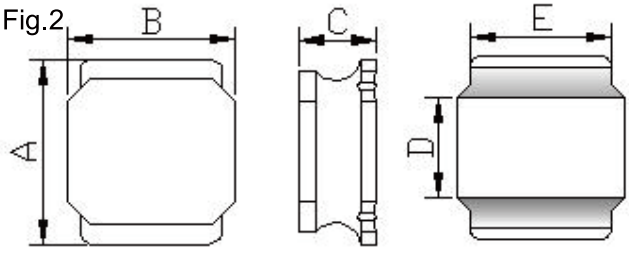
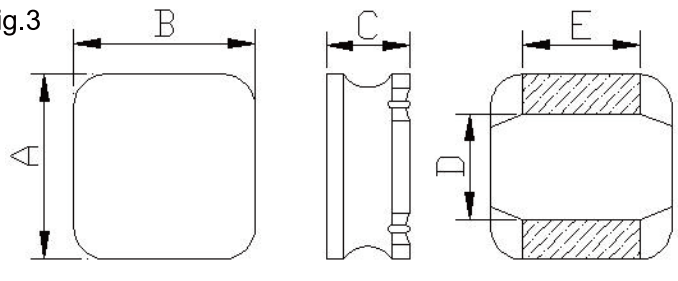
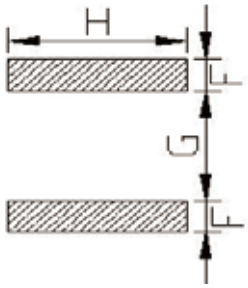


Fig.3





※ 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.6028.TYD1R0NT00	1.0	100/1	0.016	6.70	4.50
SRNR.6028.TYD1R5NT00	1.5	100/1	0.020	6.00	4.20
SRNR.6028.TYD2R2NT00	2.2	100/1	0.026	5.10	3.75
SRNR.6028.TYD3R3NT00	3.3	100/1	0.033	3.63	3.45
SRNR.6028.TYD4R7NT00	4.7	100/1	0.039	3.20	3.00
SRNR.6028.TYD5R6NT00	5.6	100/1	0.056	3.00	2.45
SRNR.6028.TYD6R8MT00	6.8	100/1	0.061	2.60	2.40
SRNR.6028.TYD8R2MT00	8.2	100/1	0.072	2.40	2.25
SRNR.6028.TYD100MT00	10	100/1	0.094	2.20	1.95
SRNR.6028.TYD120MT00	12	100/1	0.104	1.95	1.70
SRNR.6028.TYD150MT00	15	100/1	0.143	1.85	1.50
SRNR.6028.TYD220MT00	22	100/1	0.182	1.55	1.40
SRNR.6028.TYD330MT00	33	100/1	0.240	1.35	1.10
SRNR.6028.TYD470MT00	47	100/1	0.364	1.15	1.05
SRNR.6028.TYD560MT00	56	100/1	0.442	1.05	0.89
SRNR.6028.TYD680MT00	68	100/1	0.468	0.95	0.85
SRNR.6028.TYD820MT00	82	100/1	0.650	0.85	0.70
SRNR.6028.TYD101MT00	100	100/1	0.715	0.75	0.60
SRNR.6028.TYD681MT00	680	100/1	5.07	0.28	0.26
SRNR.6028.TYD102MT00	1000	100/1	7.41	0.20	0.23

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 (△T =40°C) from 25°C ambient;