

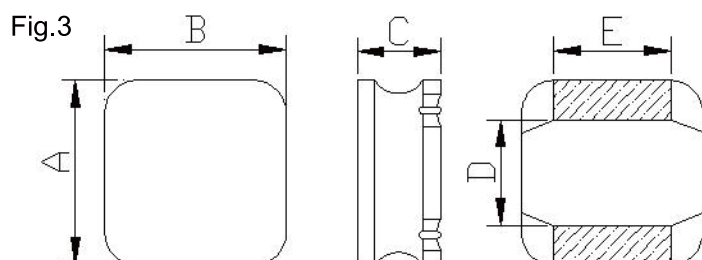
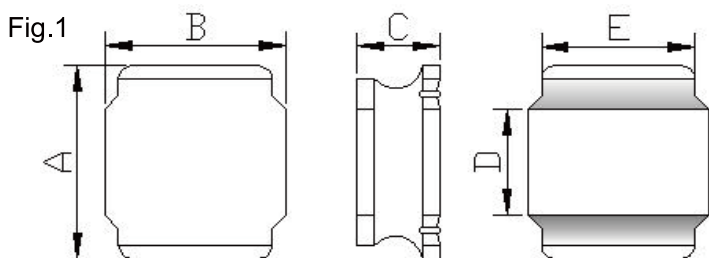


## PRODUCT IDENTIFICATION

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



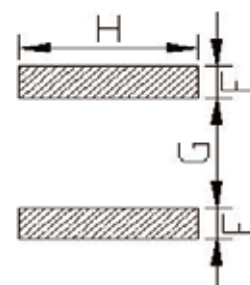
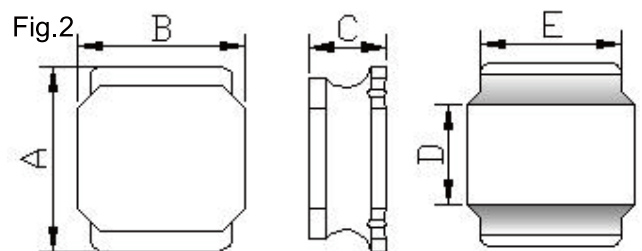
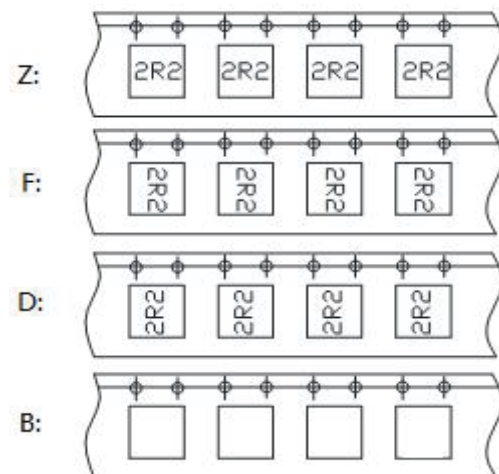
## FEATURES

- ◆ 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<br>( $\mu$ H) | Test Freq.<br>(KHz/V) | DCR Max.<br>( $\Omega$ ) | Saturation<br>Current(A) | Heat Rating<br>Current (A) |
|----------------------|-----------------|-----------------------|--------------------------|--------------------------|----------------------------|
| SRNR.5040.TYD1R0NT00 | 1.0             | 100/1                 | 0.017                    | 7.35                     | 4.90                       |
| SRNR.5040.TYD1R2NT00 | 1.2             | 100/1                 | 0.021                    | 6.50                     | 4.15                       |
| SRNR.5040.TYD1R5NT00 | 1.5             | 100/1                 | 0.021                    | 6.30                     | 4.30                       |
| SRNR.5040.TYD2R2NT00 | 2.2             | 100/1                 | 0.025                    | 4.90                     | 3.80                       |
| SRNR.5040.TYD3R3MT00 | 3.3             | 100/1                 | 0.031                    | 3.95                     | 3.40                       |
| SRNR.5040.TYD3R9MT00 | 3.9             | 100/1                 | 0.035                    | 3.55                     | 3.20                       |
| SRNR.5040.TYD4R7MT00 | 4.7             | 100/1                 | 0.039                    | 3.50                     | 3.00                       |
| SRNR.5040.TYD5R6MT00 | 5.6             | 100/1                 | 0.046                    | 3.00                     | 2.80                       |
| SRNR.5040.TYD6R8MT00 | 6.8             | 100/1                 | 0.056                    | 2.90                     | 2.50                       |
| SRNR.5040.TYD8R2MT00 | 8.2             | 100/1                 | 0.062                    | 2.70                     | 2.30                       |
| SRNR.5040.TYD100MT00 | 10              | 100/1                 | 0.083                    | 2.35                     | 2.10                       |
| SRNR.5040.TYD150MT00 | 15              | 100/1                 | 0.112                    | 2.00                     | 2.00                       |
| SRNR.5040.TYD220MT00 | 22              | 100/1                 | 0.168                    | 1.60                     | 1.50                       |
| SRNR.5040.TYD330MT00 | 33              | 100/1                 | 0.244                    | 1.30                     | 1.20                       |
| SRNR.5040.TYD470MT00 | 47              | 100/1                 | 0.354                    | 1.10                     | 1.00                       |
| SRNR.5040.TYD560MT00 | 56              | 100/1                 | 0.494                    | 1.00                     | 0.80                       |
| SRNR.5040.TYD680MT00 | 68              | 100/1                 | 0.520                    | 0.90                     | 0.80                       |
| SRNR.5040.TYD101MT00 | 100             | 100/1                 | 0.728                    | 0.75                     | 0.70                       |
| SRNR.5040.TYD151MT00 | 150             | 100/1                 | 0.975                    | 0.65                     | 0.60                       |
| SRNR.5040.TYD181MT00 | 180             | 100/1                 | 1.690                    | 0.60                     | 0.50                       |
| SRNR.5040.TYD201MT00 | 200             | 100/1                 | 1.760                    | 0.55                     | 0.45                       |
| SRNR.5040.TYD221MT00 | 220             | 100/1                 | 1.820                    | 0.48                     | 0.40                       |
| SRNR.5040.TYD331MT00 | 330             | 100/1                 | 2.730                    | 0.42                     | 0.40                       |
| SRNR.5040.TYD471MT00 | 470             | 100/1                 | 3.900                    | 0.37                     | 0.35                       |
| SRNR.5040.TYD561MT00 | 560             | 100/1                 | 4.920                    | 0.33                     | 0.31                       |
| SRNR.5040.TYD681MT00 | 680             | 100/1                 | 5.070                    | 0.30                     | 0.25                       |
| SRNR.5040.TYD102MT00 | 1000            | 100/1                 | 7.800                    | 0.25                     | 0.20                       |
| SRNR.5040.TYD152MT00 | 1500            | 100/1                 | 13.300                   | 0.20                     | 0.16                       |

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  $25^{\circ}\text{C}$  ambient;