

## SDC2D11HP SERIES

### Low Profile Shielded Power Inductors



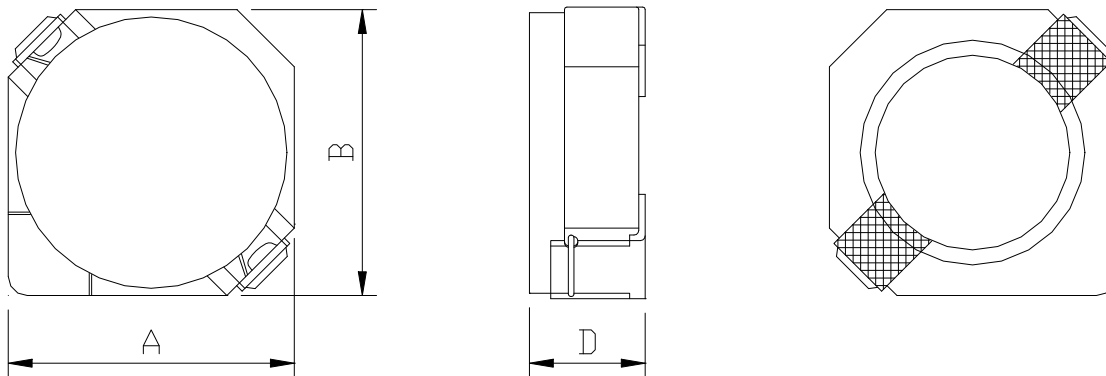
RoHS Compliant

#### PART NUMBERING SYSTEM

|                   |                      |   |                    |   |                  |
|-------------------|----------------------|---|--------------------|---|------------------|
| <b><u>SDC</u></b> | <b><u>2D11HP</u></b> | — | <b><u>1R5N</u></b> | — | <b><u>LF</u></b> |
| TYPE              | DIMENSIONS           |   | INDUCTANCE         |   | LEAD FREE        |

#### SHAPES AND DIMENSIONS

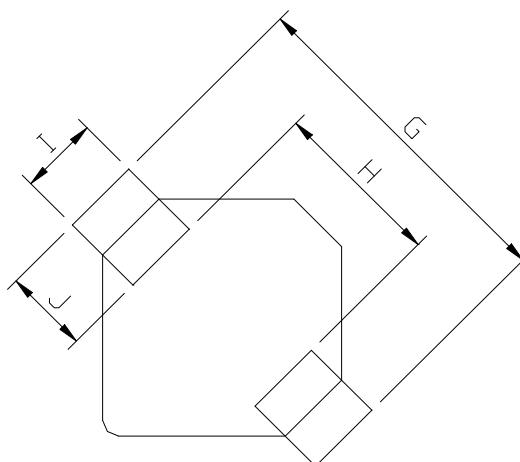
UNIT : mm



**A=3.20 max. B=3.20 max. D=1.2 max.**

#### RECOMMENDED PATTERNS

UNIT : mm



**G= 4.3 H= 1.7 I = 1.3 J = 1.3**

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#### ELECTRICAL CHARACTERISTICS :

| PART NUMBER       | INDUCTANCE<br>( $\mu$ H) | DCR (m $\Omega$ )<br>(Max.) | Isat (A)<br>( Max. ) | Irms (A)<br>( Max. ) | Stamp |
|-------------------|--------------------------|-----------------------------|----------------------|----------------------|-------|
| SDC2D11HP-1R5N-LF | 1.5 $\pm$ 30%            | 80                          | 1.35                 | 1.60                 | A     |
| SDC2D11HP-2R2N-LF | 2.2 $\pm$ 30%            | 120                         | 1.10                 | 1.30                 | B     |
| SDC2D11HP-3R3N-LF | 3.3 $\pm$ 30%            | 135                         | 0.90                 | 0.98                 | C     |
| SDC2D11HP-4R7N-LF | 4.7 $\pm$ 30%            | 238                         | 0.75                 | 0.85                 | D     |
| SDC2D11HP-6R8N-LF | 6.8 $\pm$ 30%            | 371                         | 0.63                 | 0.65                 | E     |
| SDC2D11HP-100N-LF | 10 $\pm$ 30%             | 559                         | 0.52                 | 0.52                 | F     |

- Inductance tested at 100 kHz, 1 Vrms, 0 Adc using an Agilent/HP 4263B LCR meter or equivalent.
- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes  $\Delta 40^{\circ}\text{C}$  . ( Ta=+25°C )
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape ( 3,500 parts per full reel).