

## SHIELDED SMD INDUCTOR DR350-9 SERIES

### Features

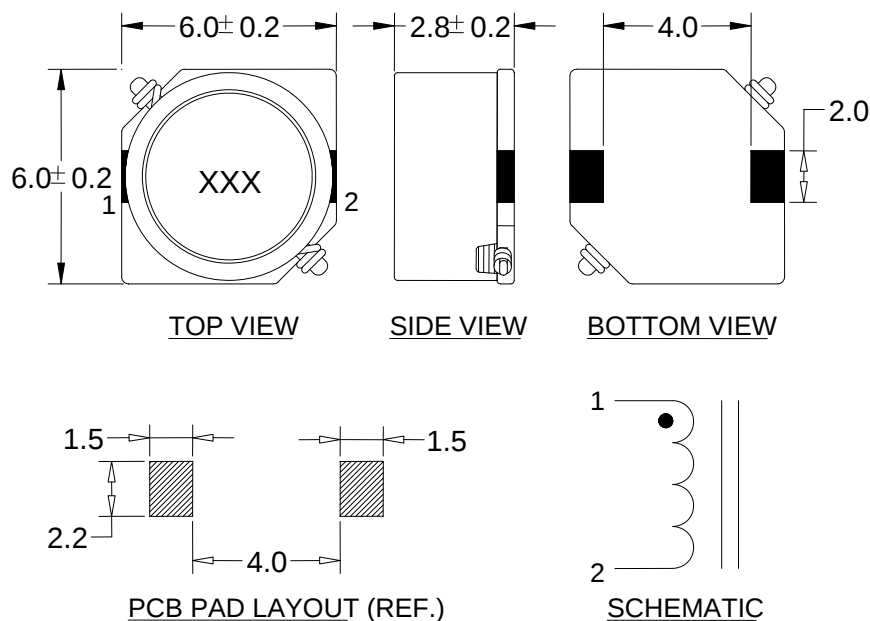
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from 4.7 $\mu$ H to 100.0 $\mu$ H
- Operating Temp. -40°C to +85°C
- Tinned Leads with Leaded Solder is Available (note 7)



### ELECTRICAL SPECIFICATIONS AT 25°C

| Part No.    | Inductance<br>( $\mu$ H) $\pm$ 20% | DCR<br>( $\Omega$ ) $\pm$ 20% | I <sub>rms</sub><br>(A) Max. | I <sub>sat</sub><br>(A) Max. |
|-------------|------------------------------------|-------------------------------|------------------------------|------------------------------|
| DR350-9-472 | 4.7                                | 0.036                         | 2.50                         | 1.60                         |
| DR350-9-682 | 6.8                                | 0.052                         | 2.20                         | 1.50                         |
| DR350-9-103 | 10.0                               | 0.068                         | 1.80                         | 1.30                         |
| DR350-9-153 | 15.0                               | 0.100                         | 1.40                         | 1.00                         |
| DR350-9-223 | 22.0                               | 0.120                         | 1.30                         | 0.77                         |
| DR350-9-333 | 33.0                               | 0.180                         | 1.10                         | 0.69                         |
| DR350-9-473 | 47.0                               | 0.270                         | 0.92                         | 0.59                         |
| DR350-9-683 | 68.0                               | 0.390                         | 0.78                         | 0.50                         |
| DR350-9-104 | 100.0                              | 0.620                         | 0.64                         | 0.42                         |

### MECHANICAL OUTLINES



### Notes:

1. All dimensions are shown in millimeter "mm"
2. General tolerance  $\pm$ 0.2mm, unless other specified
3. Inductance Test: 1kHz, 0.5Vrms
4. I<sub>rms</sub> for an approximate 45°C temperature rise
5. I<sub>sat</sub> for an approximate 20% drop maximum of the nominal value
6. Tape and reel quantity, 1000 pcs/reel
7. For non-RoHS parts replace DR prefix with 42- (e.g. DR350-9 becomes 42-350-9)
8. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D