



## SHIELDED SMD INDUCTOR DR350-9 SERIES

### Features

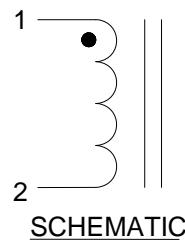
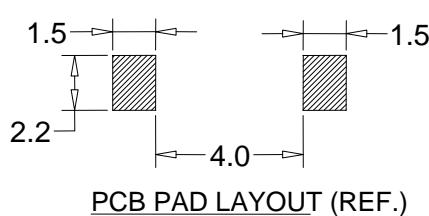
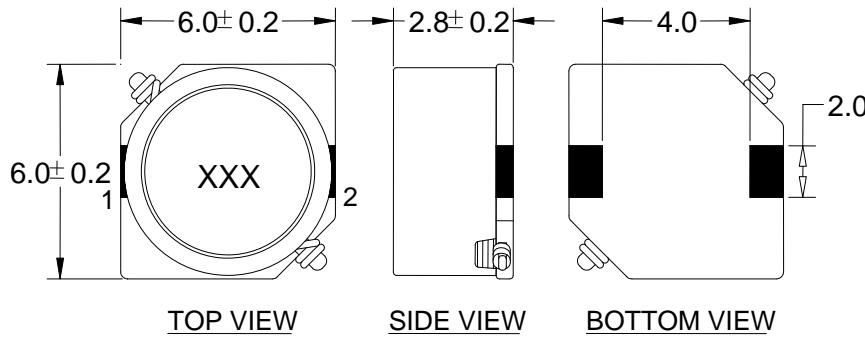
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from  $4.7\mu\text{H}$  to  $100.0\mu\text{H}$
- Operating Temp.  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 7)



### ELECTRICAL SPECIFICATIONS AT $25^\circ\text{C}$

Part No.	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	DCR ( $\Omega$ ) $\pm 20\%$	$I_{\text{rms}}$ (A) Max.	$I_{\text{sat}}$ (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  $\pm 0.2\text{mm}$ , unless other specified
3. Inductance Test:  $1\text{kHz}, 0.5\text{VRms}$
4.  $I_{\text{rms}}$  for an approximate  $45^\circ\text{C}$  temperature rise
5.  $I_{\text{sat}}$  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