



## SHIELDED SMD INDUCTOR DR350-6 SERIES

### Features

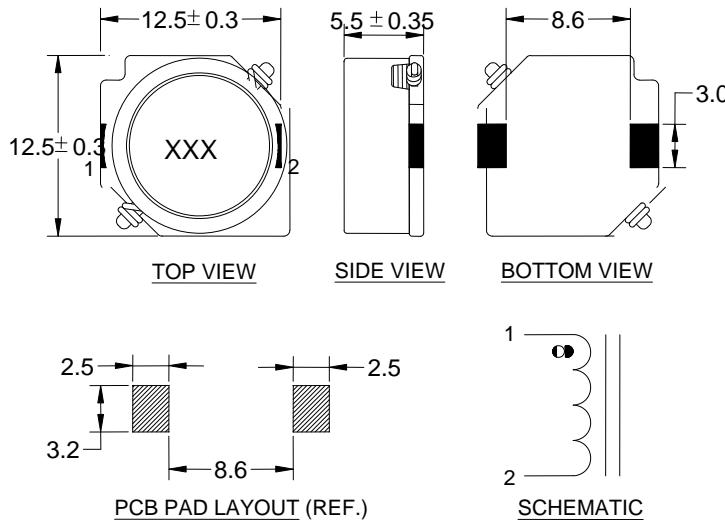
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from  $6.0\mu\text{H}$  to  $1500.0\mu\text{H}$
- Operating Temp.  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 7)



### ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance ( $\mu\text{H}$ )	DCR ( $\text{m}\Omega$ ) $\pm 20\%$	$I_{\text{rms}}$ (A) Max.	$I_{\text{sat}}$ (A) Max.
DR350-6-602	$6.0 \pm 30\%$	16.4	4.9	3.6
DR350-6-103	$10.0 \pm 20\%$	21.5	4.3	3.4
DR350-6-153	$15.0 \pm 20\%$	25.9	3.9	2.8
DR350-6-223	$22.0 \pm 20\%$	33.8	3.4	2.3
DR350-6-333	$33.0 \pm 20\%$	41.5	3.1	1.9
DR350-6-473	$47.0 \pm 20\%$	61.8	2.5	1.6
DR350-6-683	$68.0 \pm 20\%$	83.2	2.2	1.3
DR350-6-104	$100.0 \pm 20\%$	117.0	1.8	1.1
DR350-6-154	$150.0 \pm 20\%$	190.0	1.4	0.88
DR350-6-224	$220.0 \pm 20\%$	270.0	1.2	0.72
DR350-6-334	$330.0 \pm 20\%$	410.0	1.0	0.59
DR350-6-474	$470.0 \pm 20\%$	520.0	0.88	0.49
DR350-6-684	$680.0 \pm 20\%$	760.0	0.73	0.43
DR350-6-105	$1000.0 \pm 20\%$	1120.0	0.60	0.34
DR350-6-155	$1500.0 \pm 20\%$	1730.0	0.48	0.29

### 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: 1kHz, 0.5Vrms
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, 500 pcs/reel
7. For non-RoHS parts replace DR prefix with 42- (e.g. DR350-6 becomes 42-350-6)
8. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D.