



## SMD INDUCTOR DR353-6 SERIES

### Features

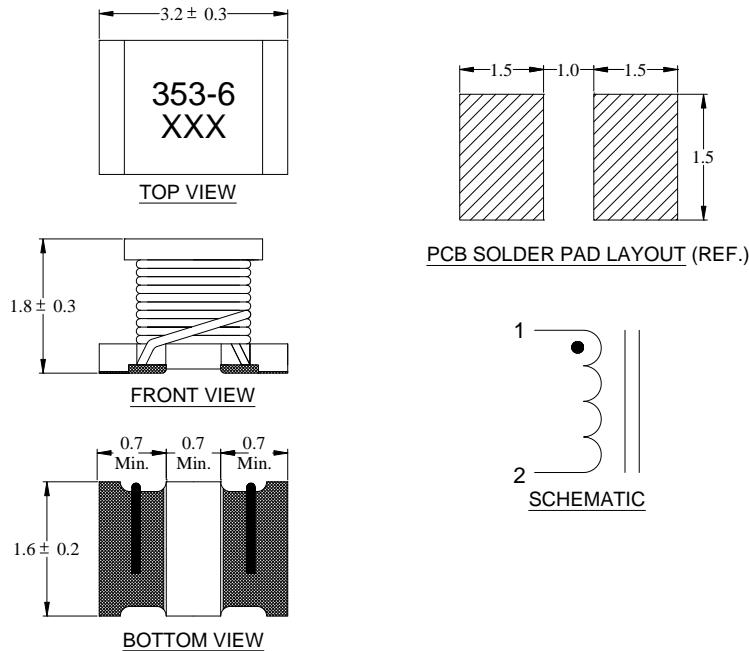
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from  $0.12\mu\text{H}$  to  $100.0\mu\text{H}$
- Operating Temp.  $-25^\circ\text{C}$  to  $+85^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 6)



### ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ ) Max.	$I_{\text{rated}}$ (mA) Max.	SRF (MHz) Min.	
DR353-6-121	$0.12 \pm 20\%$	@1MHz	0.112	970	250
DR353-6-221	$0.22 \pm 20\%$	@1MHz	0.140	850	250
DR353-6-471	$0.47 \pm 20\%$	@1MHz	0.210	700	180
DR353-6-102	$1.0 \pm 20\%$	@1MHz	0.364	510	100
DR353-6-222	$2.2 \pm 20\%$	@1MHz	0.533	430	50
DR353-6-472	$4.7 \pm 20\%$	@1MHz	0.845	340	31
DR353-6-103	$10 \pm 10\%$	@1MHz	1.690	230	20
DR353-6-223	$22 \pm 10\%$	@1MHz	3.900	160	14
DR353-6-473	$47 \pm 10\%$	@1MHz	10.40	100	10
DR353-6-104	$100 \pm 10\%$	@1MHz	15.60	80	7

### MECHANICAL OUTLINES



### Notes:

1. All dimensions are shown in millimeter "mm"
2. General tolerance  $\pm 0.2\text{mm}$ , unless other specified
3.  $I_{\text{rated}}$  for an approximate  $40^\circ\text{C}$  temperature rise
4.  $I_{\text{rated}}$  for an approximate 20% drop maximum of the initial value
5. Tape and reel quantity, 2000 pcs/reel
6. For non-RoHS parts replace DR prefix with 42- (e.g. DR353-6 becomes 42-353-6)
7. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D