



## SHIELDED SMD INDUCTOR DR340-6 SERIES

### Features

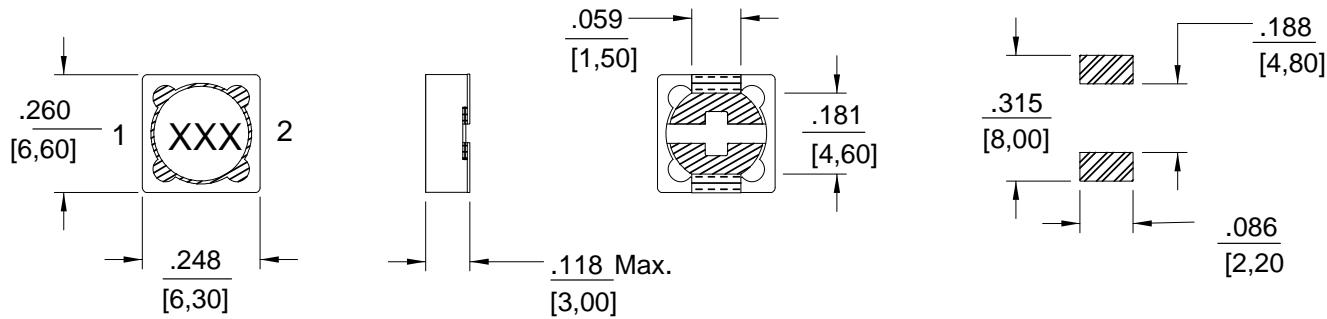
- Low Profile Surface Mount Design
- Low Radiation (with magnetic shield)
- Inductance Range from  $2.9\mu\text{H}$  to  $330\mu\text{H}$
- Operating Temperature Range:  $-20^\circ\text{C}$  to  $+80^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 7)



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

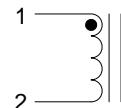
Part Number	Inductance ( $\mu\text{H}$ )	Measuring Frequency @ 0.25V	DCR (Ohm) Max.	Rated DC Current (A) Max.
DR340-6-292	$2.9 \pm 40\%$ -20%	7.96MHz	0.068	1.94
DR340-6-402	$4.0 \pm 40\%$ -20%	7.96MHz	0.080	1.63
DR340-6-552	$5.5 \pm 40\%$ -20%	7.96MHz	0.096	1.40
DR340-6-103	$10 \pm 20\%$	1KHz	0.15	1.10
DR340-6-123	$12 \pm 20\%$	1KHz	0.2	1.00
DR340-6-153	$15 \pm 20\%$	1KHz	0.23	0.90
DR340-6-183	$18 \pm 20\%$	1KHz	0.27	0.80
DR340-6-223	$22 \pm 20\%$	1KHz	0.34	0.74
DR340-6-273	$27 \pm 20\%$	1KHz	0.38	0.66
DR340-6-333	$33 \pm 20\%$	1KHz	0.45	0.59
DR340-6-393	$39 \pm 20\%$	1KHz	0.49	0.54
DR340-6-473	$47 \pm 20\%$	1KHz	0.69	0.50
DR340-6-563	$56 \pm 20\%$	1KHz	0.78	0.46
DR340-6-683	$68 \pm 20\%$	1KHz	1.07	0.42
DR340-6-823	$82 \pm 20\%$	1KHz	1.21	0.38
DR340-6-104	$100 \pm 20\%$	1KHz	1.39	0.34
DR340-6-124	$120 \pm 20\%$	1KHz	1.90	0.31
DR340-6-154	$150 \pm 20\%$	1KHz	2.18	0.28
DR340-6-184	$180 \pm 20\%$	1KHz	2.77	0.26
DR340-6-224	$220 \pm 20\%$	1KHz	3.12	0.23
DR340-6-274	$270 \pm 20\%$	1KHz	4.38	0.22
DR340-6-334	$330 \pm 20\%$	1KHz	4.94	0.19

### MECHANICAL OUTLINES



### NOTES:

1. Dimensions are shown in inches/millimeters
2. Unless otherwise specified, tolerance = Inches:  $\pm 0.012$   
= Millimeters:  $\pm 0.30$
3. IDC MAX based on the inductance being 75% of its initial value
4. Tape & reel quantity, 1500 pcs/reel
5. Terminal finish is compliant to RoHS requirements
6. Solder in accordance with J-STD-002 Rev. D
7. Non-RoHS series parts 42-340-6-XXX are finished with leaded solder Sn60Pb40 or equivalent



SCHEMATIC