



SELF-LEADED SMD INDUCTOR DR339-3 SERIES

Features

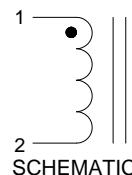
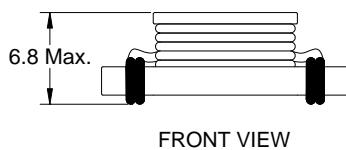
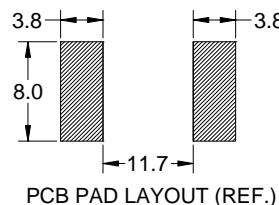
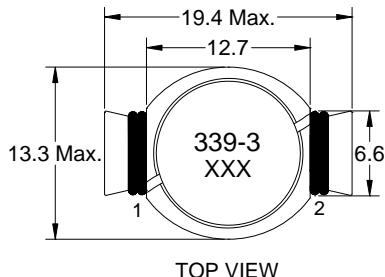
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from $0.47\mu\text{H}$ to $100\mu\text{H}$
- Operating Temp. -40°C to $+85^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 9)



ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance (μH)	DCR (Ω) Max.	RATED CURRENT (A) Max.	I_{sat} (A) Max.
DR339-3-471	$0.47 +40\%/-20\%$	0.003	16.0	25.1
DR339-3-102	$1.0 +40\%/-20\%$	0.004	12.5	15.3
DR339-3-152	$1.5 +40\%/-20\%$	0.006	10.0	12.0
DR339-3-222	$2.2 \pm 20\%$	0.008	9.2	10.2
DR339-3-332	$3.3 \pm 20\%$	0.009	8.0	9.3
DR339-3-472	$4.7 \pm 20\%$	0.012	6.5	7.7
DR339-3-682	$6.8 \pm 20\%$	0.019	5.8	6.2
DR339-3-103	$10.0 \pm 20\%$	0.027	4.3	5.2
DR339-3-153	$15.0 \pm 20\%$	0.032	3.9	4.3
DR339-3-223	$22.0 \pm 20\%$	0.050	3.1	3.7
DR339-3-333	$33.0 \pm 20\%$	0.069	2.4	3.0
DR339-3-473	$47.0 \pm 20\%$	0.109	1.9	2.4
DR339-3-683	$68.0 \pm 20\%$	0.156	1.6	2.0
DR339-3-104	$100.0 \pm 20\%$	0.206	1.4	1.8

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: $100\text{kHz}, 0.25\text{Vrms}$
4. I_{rms} for an approximate 45°C temperature rise
5. I_{sat} for an approximate 20% drop maximum of the nominal value
6. Tape and reel quantity, 350 pcs/reel
7. Terminal finish is compliant to RoHS requirements
8. Solder in accordance with J-STD-002 Rev. D
9. Non-RoHS series parts 42-339-3-XXX are finished with leaded solder Sn60Pb40 or equivalent