



SMD INDUCTOR DR331-2 SERIES



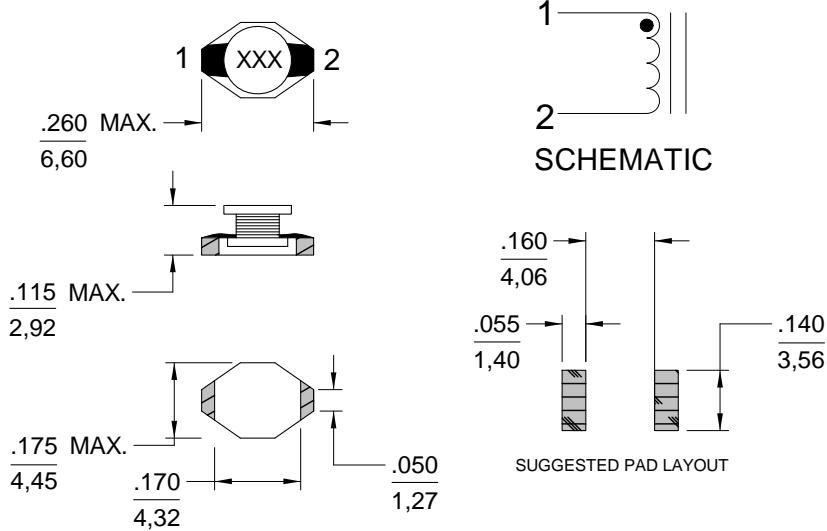
Features

- Low Profile Surface Mount Design
- Inductance Range from $1.0\mu\text{H}$ to $1000\mu\text{H}$
- Operating Temp. -40°C to $+85^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 8)

ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance (μH)	DCR (Ω) Max.	I rms (A) Max. (Note 3)	I sat (A) Max. (Note 2)	SRF (MHz) REF.
DR331-2-102	$1.0 \pm 20\%$	0.05	2.9	2.9	130
DR331-2-152	$1.5 \pm 20\%$	0.05	2.8	2.6	115
DR331-2-222	$2.2 \pm 20\%$	0.07	2.4	2.3	90
DR331-2-332	$3.3 \pm 20\%$	0.08	2.0	2.0	70
DR331-2-472	$4.7 \pm 20\%$	0.09	1.5	1.5	50
DR331-2-682	$6.8 \pm 20\%$	0.13	1.4	1.2	45
DR331-2-103	$10 \pm 20\%$	0.16	1.1	1.1	35
DR331-2-153	$15 \pm 20\%$	0.23	1.2	0.90	30
DR331-2-223	$22 \pm 10\%$	0.37	0.80	0.70	20
DR331-2-333	$33 \pm 10\%$	0.51	0.60	0.58	15
DR331-2-473	$47 \pm 10\%$	0.64	0.50	0.50	14
DR331-2-683	$68 \pm 10\%$	0.86	0.40	0.40	11
DR331-2-104	$100 \pm 10\%$	1.27	0.30	0.31	9.0
DR331-2-154	$150 \pm 10\%$	2.00	0.25	0.27	6.0
DR331-2-224	$220 \pm 10\%$	3.11	0.20	0.22	5.5
DR331-2-334	$330 \pm 10\%$	3.80	0.16	0.18	5.0
DR331-2-474	$470 \pm 10\%$	6.20	0.15	0.16	4.0
DR331-2-684	$680 \pm 10\%$	9.20	0.12	0.14	3.0
DR331-2-105	$1000 \pm 10\%$	13.80	0.07	0.10	2.0

MECHANICAL SPECIFICATIONS



NOTES:

1. Dimensions are shown in inches/millimeters
Unless otherwise specified, tolerance
= Inches: ± 0.010
= Millimeters: ± 0.25
2. Isat based on the inductance being 90% of its initial value
3. Irms based on temperature rise of 40°C
4. Tape & Reel Packaging, 2000 pcs / reel.
5. Inductance tested at 0.1 Vrms @ 100 kHz
6. Terminal finish is compliant to RoHS requirements
7. Solder in accordance with J-STD-002 Rev. D
8. Non-RoHS series parts 42-331-2-XXX are finished with leaded solder Sn60Pb40 or equivalent