

## SMD INDUCTOR DR331-2 SERIES

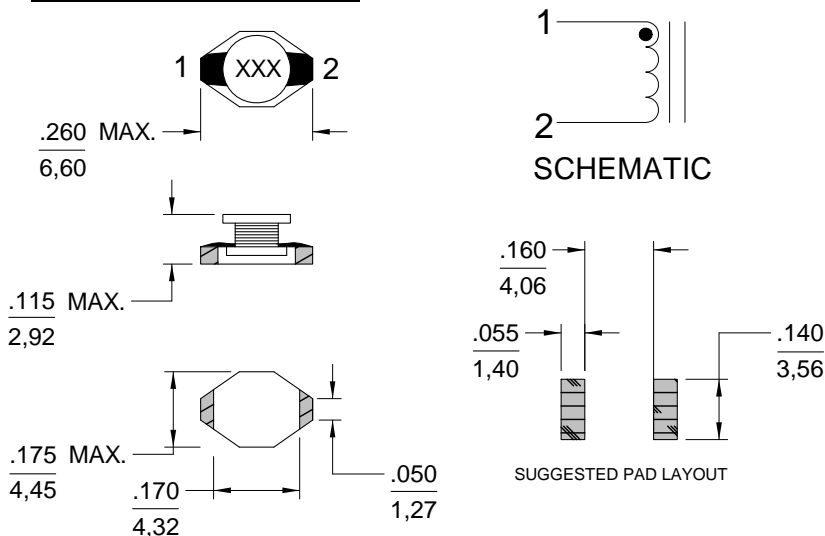
### Features

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

### ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) 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:  $\pm 0.010$   
= Millimeters:  $\pm 0,25$
2. Isat based on the inductance being 90% of its initial value
3. I rms based on temperature rise of 40°C
4. Tape & Reel Packaging, 2000 pcs / reel.
5. Inductance tested at 0.1 V rms @ 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