

SMD INDUCTOR DR333-1 SERIES

Features

- Low Profile Surface Mount Design
- Inductance Range from 1.0 μ H to 330 μ H
- Operating Temp. -20°C to +80°C
- Tinned Leads with Leaded Solder is Available (note 5)



ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance (μ H)		DCR (Ω) Max.	I _{rated} (A) Max.
DR333-1-102	1.0 \pm 20%	@ 7.96MHz, 0.25V	0.045	2.20
DR333-1-122	1.2 \pm 20%	@ 7.96MHz, 0.25V	0.050	2.10
DR333-1-152	1.5 \pm 20%	@ 7.96MHz, 0.25V	0.055	1.70
DR333-1-182	1.8 \pm 20%	@ 7.96MHz, 0.25V	0.070	1.65
DR333-1-222	2.2 \pm 20%	@ 7.96MHz, 0.25V	0.085	1.60
DR333-1-272	2.7 \pm 20%	@ 7.96MHz, 0.25V	0.100	1.40
DR333-1-332	3.3 \pm 20%	@ 7.96MHz, 0.25V	0.120	1.04
DR333-1-392	3.9 \pm 20%	@ 7.96MHz, 0.25V	0.125	1.00
DR333-1-472	4.7 \pm 20%	@ 7.96MHz, 0.25V	0.135	1.00
DR333-1-562	5.6 \pm 20%	@ 7.96MHz, 0.25V	0.145	0.95
DR333-1-682	6.8 \pm 20%	@ 7.96MHz, 0.25V	0.20	0.95
DR333-1-822	8.2 \pm 20%	@ 7.96MHz, 0.25V	0.25	0.92
DR333-1-103	10.0 \pm 20%	@ 2.52MHz, 0.25V	0.32	0.90
DR333-1-123	12.0 \pm 20%	@ 2.52MHz, 0.25V	0.35	0.85
DR333-1-153	15.0 \pm 20%	@ 2.52MHz, 0.25V	0.46	0.75
DR333-1-183	18.0 \pm 20%	@ 2.52MHz, 0.25V	0.52	0.70
DR333-1-223	22.0 \pm 10%	@ 2.52MHz, 0.25V	0.65	0.60
DR333-1-273	27.0 \pm 10%	@ 2.52MHz, 0.25V	0.75	0.55
DR333-1-333	33.0 \pm 10%	@ 2.52MHz, 0.25V	0.92	0.50
DR333-1-393	39.0 \pm 10%	@ 2.52MHz, 0.25V	1.12	0.48
DR333-1-473	47.0 \pm 10%	@ 2.52MHz, 0.25V	1.27	0.45
DR333-1-563	56.0 \pm 10%	@ 2.52MHz, 0.25V	1.50	0.30
DR333-1-683	68.0 \pm 10%	@ 2.52MHz, 0.25V	2.00	0.26
DR333-1-823	82.0 \pm 10%	@ 2.52MHz, 0.25V	2.15	0.23
DR333-1-104	100.0 \pm 10%	@ 1kHz, 0.25V	2.80	0.20
DR333-1-124	120.0 \pm 10%	@ 1kHz, 0.25V	3.40	0.18
DR333-1-154	150.0 \pm 10%	@ 1kHz, 0.25V	4.20	0.16
DR333-1-184	180.0 \pm 10%	@ 1kHz, 0.25V	4.50	0.15
DR333-1-224	220.0 \pm 10%	@ 1kHz, 0.25V	5.70	0.14
DR333-1-274	270.0 \pm 10%	@ 1kHz, 0.25V	8.50	0.10
DR333-1-334	330.0 \pm 10%	@ 1kHz, 0.25V	9.50	0.09

MECHANICAL OUTLINES

Notes:

1. All dimensions are shown in millimeters "mm" [inches "in"].
2. General tolerance \pm 0.25mm [0.010 in.], unless otherwise specified.
3. I_{rated} for an approximate 40°C temperature rise for 20% drop maximum of the nominal value.
4. Tape and reel quantity, 2000 pcs/reel
5. For non-RoHS parts, replace DR prefix with 42- (e.g. DR333- becomes 42-333-).
6. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020C.

