



SMD INDUCTOR DR333-1 SERIES

Features

- Low Profile Surface Mount Design
- Inductance Range from $1.0\mu\text{H}$ to $330\mu\text{H}$
- Operating Temp. -20°C to $+80^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 5)



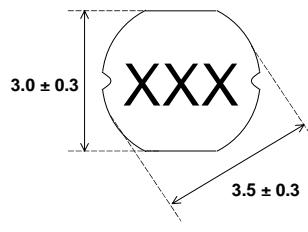
ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance (μH)		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

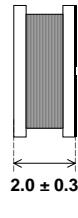
MECHANICAL OUTLINES

Notes:

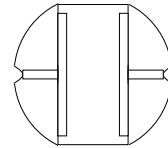
1. All dimensions are shown in millimeters "mm" [inches "in"].
2. General tolerance $\pm 0.25\text{mm}$ [0.010 in.], unless otherwise specified.
3. I_{rated} for an approximate 40°C temperature rise for 20% drop maximum of the nominal value.
4. Tape and reel quantity, 2000 pcs/reel
5. For non-RoHS parts, 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.



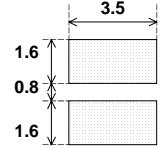
TOP VIEW



SIDE VIEW



BOTTOM VIEW



PCB PAD LAYOUT (REF.)

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All specifications are subject to change without notice.