



## 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.  $-20^\circ\text{C}$  to  $+80^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 7)



### ELECTRICAL SPECIFICATIONS AT $25^\circ\text{C}$

Part No.	Inductance ( $\mu\text{H}$ )		DCR ( $\Omega$ ) Max.	$I_{\text{rated}}$ (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.  $I_{\text{rated}}$  for an approximate  $40^\circ\text{C}$  temperature rise for 20% drop maximum of the nominal value.
4. Tape and reel quantity, 2000 pcs/reel
5. Terminal finish is compliant to RoHS requirements
6. Solder in accordance with J-STD-002 Rev. D
7. Non-RoHS series parts 42-333-1-XXX are finished with leaded solder Sn60Pb40 or equivalent

