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DATATRONIC
DISTRIBUTION, INC.

RoHS Compliant

SMD INDUCTOR DR333 SERIES

Features

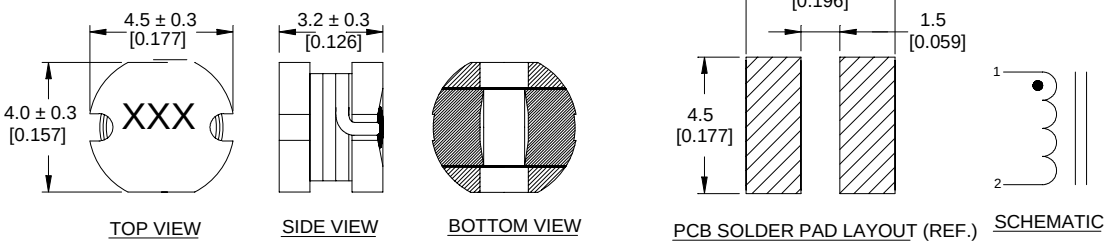
- **Low Profile Surface Mount Design**
- **Inductance Range from 1.0µH to 68µH**
- **Operating Temp. -20°C to +80°C**
- **Tinned Leads with Leaded Solder is Available** (note 5)



ELECTRICAL SPECIFICATIONS AT 25ºC

PART No.	INDUCTANCE (µH)		DCR (Ω) Max.	RATED CURRENT (A) Max.
DR333-102	1.0 ± 20%	@ 7.96MHz,0.25V	0.0487	2.56
DR333-142	1.4 ± 20%	@ 7.96MHz,0.25V	0.0562	2.52
DR333-182	1.8 ± 20%	@ 7.96MHz,0.25V	0.0637	1.95
DR333-222	2.2 ± 20%	@ 7.96MHz,0.25V	0.0712	1.75
DR333-272	2.7 ± 20%	@ 7.96MHz,0.25V	0.0787	1.58
DR333-332	3.3 ± 20%	@ 7.96MHz,0.25V	0.0862	1.44
DR333-392	3.9 ± 20%	@ 7.96MHz,0.25V	0.0937	1.33
DR333-472	4.7 ± 20%	@ 7.96MHz,0.25V	0.1087	1.15
DR333-562	5.6 ± 20%	@ 7.96MHz,0.25V	0.1257	0.99
DR333-682	6.8 ± 20%	@ 7.96MHz,0.25V	0.1312	0.95
DR333-822	8.2 ± 20%	@ 7.96MHz,0.25V	0.1462	0.84
DR333-103	10 ± 20%	@ 2.52MHz,0.25V	0.182	1.04
DR333-123	12 ± 20%	@ 2.52MHz,0.25V	0.210	0.97
DR333-153	15 ± 20%	@ 2.52MHz,0.25V	0.235	0.85
DR333-183	18 ± 20%	@ 2.52MHz,0.25V	0.338	0.74
DR333-223	22 ± 20%	@ 2.52MHz,0.25V	0.378	0.68
DR333-273	27 ± 20%	@ 2.52MHz,0.25V	0.522	0.62
DR333-333	33 ± 10%	@ 2.52MHz,0.25V	0.540	0.56
DR333-393	39 ± 10%	@ 2.52MHz,0.25V	0.587	0.52
DR333-473	47 ± 10%	@ 2.52MHz,0.25V	0.844	0.44
DR333-563	56 ± 10%	@ 2.52MHz,0.25V	0.937	0.42
DR333-683	68 ± 10%	@ 2.52MHz,0.25V	1.117	0.37

MECHANICAL OUTLINES



TOP VIEW | SIDE VIEW | BOTTOM VIEW | PCB SOLDER PAD LAYOUT (REF.) | SCHEMATIC

NOTES:
1. All dimensions are shown in millimeters “mm” [inches “in”].
2. General tolerance ±0.25mm [0.010 in.], unless otherwise specified.
3. Irated for an approximate 40°C temperature rise or 20% drop maximum of the nominal value, whichever is lower.
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.

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All specifications are subject to change without notice.