

## SMD INDUCTOR DR333 SERIES

### Features

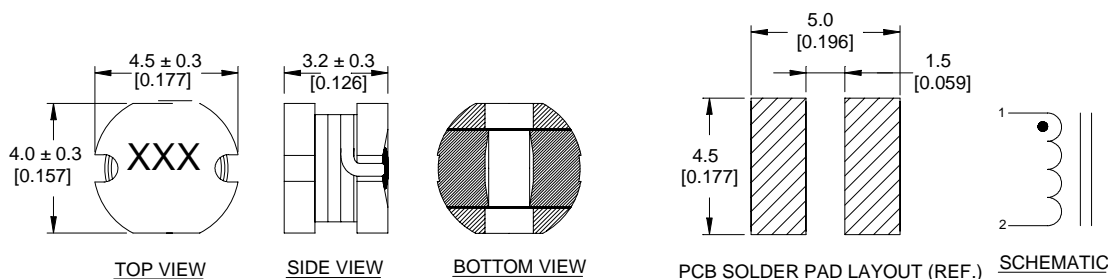
- Low Profile Surface Mount Design
- Inductance Range from 1.0 $\mu$ H to 68 $\mu$ H
- Operating Temp. -20°C to +80°C
- Tinned Leads with Leaded Solder is Available (note 5)



### ELECTRICAL SPECIFICATIONS AT 25°C

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

### 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. Rated 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.