

## SHIELDED SMD INDUCTOR DR358-2 SERIES

### Features

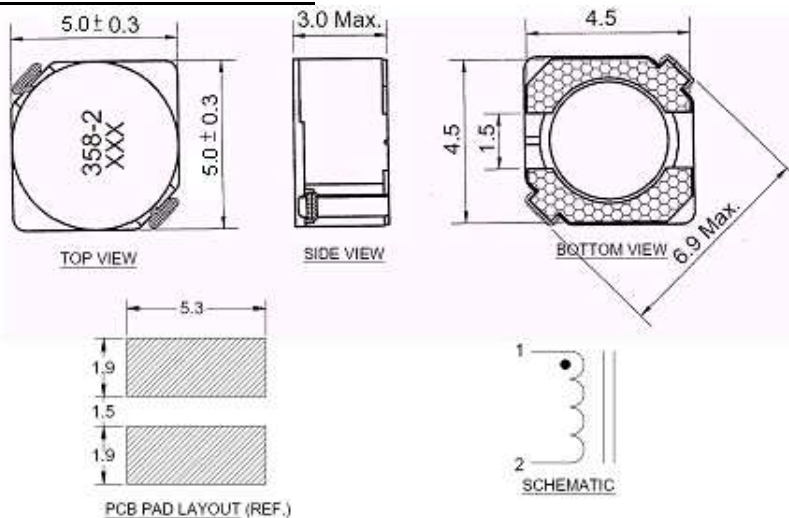
- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from 1.2 $\mu$ H to 220.0 $\mu$ H
- Operating Temp. -20°C to +80°C
- Tinned Leads with Leaded Solder is Available (note 7)



### ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance ( $\mu$ H) $\pm$ 30%	DCR ( $\Omega$ ) Max.	I rated (A) Max.
DR358-2-122	1.2	0.023	2.56
DR358-2-182	1.8	0.027	2.20
DR358-2-222	2.2	0.031	2.04
DR358-2-272	2.7	0.043	1.60
DR358-2-332	3.3	0.049	1.57
DR358-2-392	3.9	0.064	1.44
DR358-2-472	4.7	0.072	1.32
DR358-2-562	5.6	0.100	1.17
DR358-2-682	6.8	0.108	1.12
DR358-2-822	8.2	0.117	1.04
DR358-2-103	10.0	0.128	1.00
DR358-2-123	12.0	0.131	0.84
DR358-2-153	15.0	0.149	0.76
DR358-2-183	18.0	0.166	0.72
DR358-2-223	22.0	0.235	0.70
DR358-2-273	27.0	0.261	0.58
DR358-2-333	33.0	0.378	0.56
DR358-2-393	39.0	0.383	0.50
DR358-2-473	47.0	0.587	0.48
DR358-2-563	56.0	0.624	0.41
DR358-2-683	68.0	0.699	0.35
DR358-2-823	82.0	0.914	0.32
DR358-2-104	100.0	1.020	0.29
DR358-2-124	120.0	1.270	0.27
DR358-2-154	150.0	1.350	0.24
DR358-2-184	180.0	1.540	0.22
DR358-2-224	220.0	1.650	0.18

### MECHANICAL OUTLINES



### Notes:

1. All dimensions are shown in millimeter "mm"
2. General tolerance  $\pm$ 0.2mm, unless other specified
3. Inductance Test: 100kHz, 0.1Vrms
4. I<sub>rated</sub> for an approximate 40°C temperature rise
5. I<sub>rated</sub> for an approximate 35% drop maximum of the initial value
6. Tape and reel quantity, 2000 pcs/reel
7. For non-RoHS parts replace DR prefix with 42- (e.g. DR358-2 becomes 42-358-2)
8. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D