



## SMD INDUCTOR DR353-1 SERIES

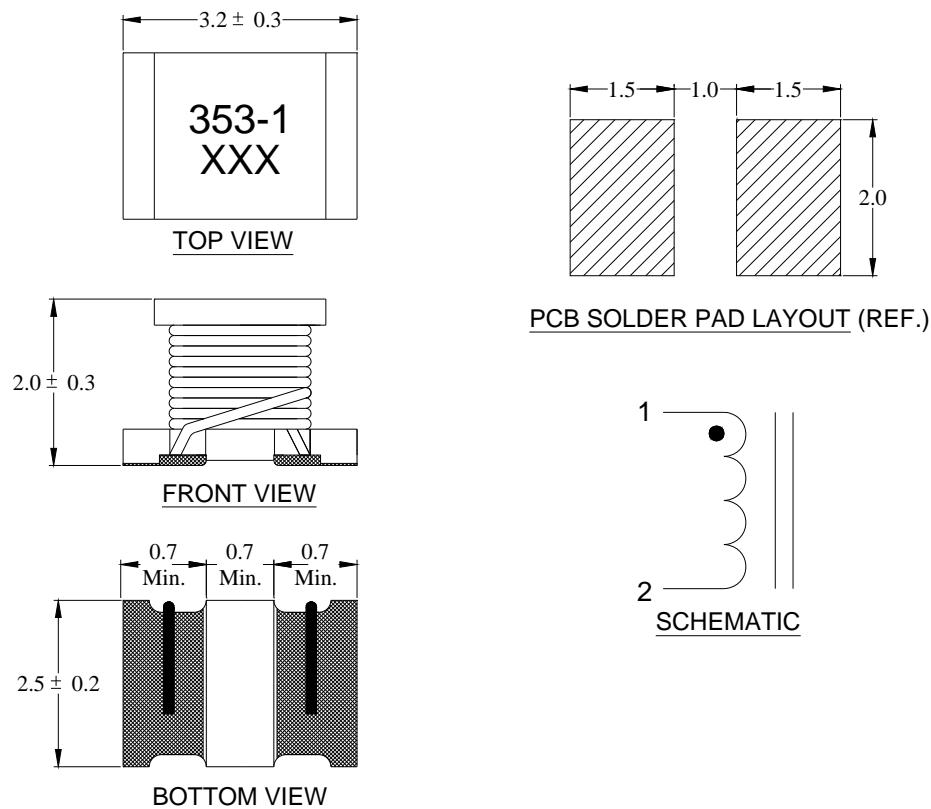
### Features

- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from 0.1 $\mu$ H to 560.0 $\mu$ H
- Operating Temp. -25°C to +85°C
- Tinned Leads with Leaded Solder is Available (note 6)



### ELECTRICAL SPECIFICATIONS AT 25°C

Part No.	Inductance ( $\mu$ H)	DCR ( $\Omega$ ) Max.	Q Min.	I <sub>rated</sub> (mA) Max.	SRF (MHz) Min.
DR353-1-101	0.10±20%	@1MHz	0.25	20 @25.2 MHz	700 200
DR353-1-181	0.18±20%	@1MHz	0.25	20 @25.2 MHz	650 200
DR353-1-271	0.27±20%	@1MHz	0.25	25 @25.2 MHz	600 200
DR353-1-391	0.39±20%	@1MHz	0.25	25 @25.2 MHz	530 200
DR353-1-561	0.56±20%	@1MHz	0.25	30 @25.2 MHz	530 160
DR353-1-681	0.68±20%	@1MHz	0.25	30 @25.2 MHz	470 160
DR353-1-821	0.82±20%	@1MHz	0.25	30 @25.2 MHz	450 120
DR353-1-102	1.0±20%	@1MHz	0.50	20 @1MHz	445 100
DR353-1-122	1.2±20%	@1MHz	0.60	20 @1MHz	425 100
DR353-1-152	1.5±20%	@1MHz	0.60	20 @1MHz	400 75
DR353-1-182	1.8±20%	@1MHz	0.70	20 @1MHz	390 60
DR353-1-222	2.2±20%	@1MHz	0.80	20 @1MHz	370 50
DR353-1-272	2.7±20%	@1MHz	0.90	20 @1MHz	320 43
DR353-1-332	3.3±20%	@1MHz	1.0	20 @1MHz	300 38
DR353-1-392	3.9±20%	@1MHz	1.1	20 @1MHz	290 35
DR353-1-472	4.7±20%	@1MHz	1.2	20 @1MHz	270 31
DR353-1-562	5.6±20%	@1MHz	1.3	20 @1MHz	250 28
DR353-1-682	6.8±20%	@1MHz	1.5	20 @1MHz	240 25
DR353-1-822	8.2±20%	@1MHz	1.6	20 @1MHz	225 23
DR353-1-103	10±10%	@1MHz	1.8	35 @1MHz	190 20
DR353-1-123	12±10%	@1MHz	2.0	35 @1MHz	180 18
DR353-1-153	15±10%	@1MHz	2.2	35 @1MHz	170 16
DR353-1-183	18±10%	@1MHz	2.5	35 @1MHz	165 15
DR353-1-223	22±10%	@1MHz	2.8	35 @1MHz	150 14
DR353-1-273	27±10%	@1MHz	3.1	35 @1MHz	125 13
DR353-1-333	33±10%	@1MHz	3.5	40 @1MHz	115 12
DR353-1-393	39±10%	@1MHz	3.9	40 @1MHz	110 11
DR353-1-473	47±10%	@1MHz	4.3	40 @1MHz	100 11
DR353-1-563	56±10%	@1MHz	4.9	40 @1MHz	85 10
DR353-1-683	68±10%	@1MHz	5.5	40 @1MHz	80 9
DR353-1-823	82±10%	@1MHz	6.2	40 @1MHz	70 8.5
DR353-1-104	100±10%	@1MHz	7.0	40 @796kHz	80 8
DR353-1-124	120±10%	@1MHz	8.0	40 @796kHz	75 7.5
DR353-1-154	150±10%	@1MHz	9.3	40 @796kHz	70 7
DR353-1-184	180±10%	@1MHz	10.2	40 @796kHz	65 6
DR353-1-224	220±10%	@1MHz	11.8	40 @796kHz	65 5.5
DR353-1-274	270±10%	@1MHz	12.5	40 @796kHz	65 5
DR353-1-334	330±10%	@1MHz	13.0	40 @796kHz	65 5
DR353-1-394	390±10%	@1MHz	22.0	50 @796kHz	50 5
DR353-1-474	470±10%	@1kHz	25.0	50 @796kHz	45 5
DR353-1-564	560±10%	@1kHz	28.0	50 @796kHz	40 5

MECHANICAL OUTLINES**Notes:**

1. All dimensions are shown in millimeter "mm"
2. General tolerance  $\pm 0.2$ mm, unless other specified
3.  $I_{rated}$  for an approximate  $40^{\circ}\text{C}$  temperature rise
4.  $I_{rated}$  for an approximate 20% drop maximum of the initial value
5. Tape and reel quantity, 2000 pcs/reel
6. For non-RoHS parts replace DR prefix with 42- (e.g. DR353-1 becomes 42-353-1)
7. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D