



SMD INDUCTOR DR353-3 SERIES

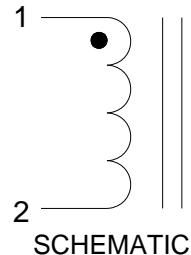
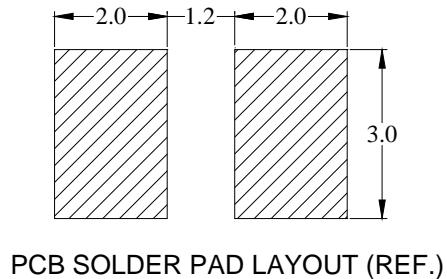
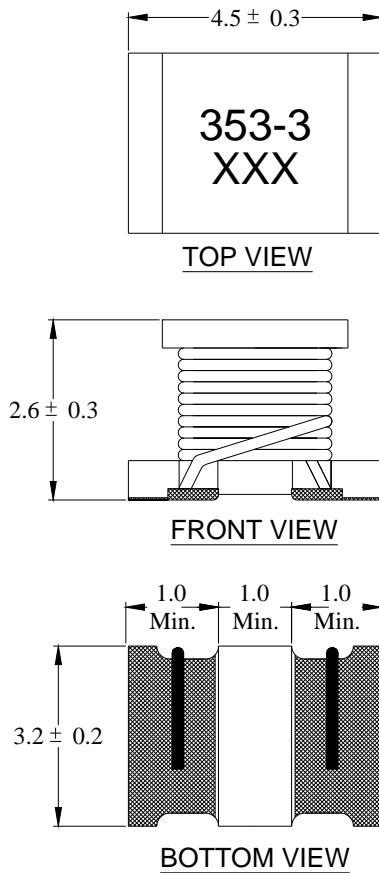
Features

- Low Profile Surface Mount Design
- Flat Top for Pick and Place
- Inductance Range from 1.0 μ H to 2200.0 μ 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 (μ H)	DCR (Ω) Max.	Q Min.	I _{rated} (mA) Max.	SRF (MHz) Min.
DR353-3-102	1.0±20%	@1MHz	0.20	20 @1MHz	500 120
DR353-3-122	1.2±20%	@1MHz	0.20	20 @1MHz	500 100
DR353-3-152	1.5±20%	@1MHz	0.30	20 @1MHz	500 85
DR353-3-182	1.8±20%	@1MHz	0.30	20 @1MHz	500 75
DR353-3-222	2.2±20%	@1MHz	0.30	20 @1MHz	500 62
DR353-3-272	2.7±20%	@1MHz	0.32	20 @1MHz	500 53
DR353-3-332	3.3±20%	@1MHz	0.35	20 @1MHz	500 47
DR353-3-392	3.9±20%	@1MHz	0.38	20 @1MHz	500 41
DR353-3-472	4.7±20%	@1MHz	0.40	30 @1MHz	500 38
DR353-3-562	5.6±20%	@1MHz	0.47	30 @1MHz	500 33
DR353-3-682	6.8±20%	@1MHz	0.50	30 @1MHz	450 31
DR353-3-822	8.2±20%	@1MHz	0.56	30 @1MHz	450 27
DR353-3-103	10±10%	@1MHz	0.56	35 @1MHz	400 23
DR353-3-123	12±10%	@1MHz	0.62	35 @1MHz	380 21
DR353-3-153	15±10%	@1MHz	0.73	35 @1MHz	360 19
DR353-3-183	18±10%	@1MHz	0.82	35 @1MHz	340 17
DR353-3-223	22±10%	@1MHz	0.94	35 @1MHz	320 15
DR353-3-273	27±10%	@1MHz	1.1	35 @1MHz	300 14
DR353-3-333	33±10%	@1MHz	1.2	35 @1MHz	270 12
DR353-3-393	39±10%	@1MHz	1.4	35 @1MHz	240 11
DR353-3-473	47±10%	@1MHz	1.5	35 @1MHz	220 10
DR353-3-563	56±10%	@1MHz	1.7	35 @1MHz	200 9.3
DR353-3-683	68±10%	@1MHz	1.9	35 @1MHz	180 8.4
DR353-3-823	82±10%	@1MHz	2.2	35 @1MHz	170 7.5
DR353-3-104	100±10%	@1MHz	2.5	40 @796kHz	160 6.8
DR353-3-124	120±10%	@1MHz	3.0	40 @796kHz	150 6.2
DR353-3-154	150±10%	@1MHz	3.7	40 @796kHz	130 5.5
DR353-3-184	180±10%	@1MHz	4.5	40 @796kHz	120 5.0
DR353-3-224	220±10%	@1MHz	5.4	40 @796kHz	110 4.5
DR353-3-274	270±10%	@1MHz	6.8	40 @796kHz	100 4.0
DR353-3-334	330±10%	@1MHz	8.2	40 @796kHz	95 3.6
DR353-3-394	390±10%	@1MHz	9.7	40 @796kHz	90 3.3
DR353-3-474	470±10%	@1kHz	11.8	40 @796kHz	80 3.0
DR353-3-564	560±10%	@1kHz	14.5	40 @796kHz	70 2.7
DR353-3-684	680±10%	@1kHz	17.0	40 @796kHz	65 2.5
DR353-3-824	820±10%	@1kHz	20.5	40 @796kHz	60 2.2
DR353-3-105	1000±10%	@1kHz	25.0	40 @252kHz	50 2.0
DR353-3-125	1200±10%	@1kHz	30.0	40 @252kHz	45 1.8
DR353-3-155	1500±10%	@1kHz	37.0	40 @252kHz	40 1.6
DR353-3-185	1800±10%	@1kHz	45.0	40 @252kHz	35 1.5
DR353-3-225	2200±10%	@1kHz	50.0	40 @252kHz	30 1.3

MECHANICAL OUTLINES**Notes:**

1. All dimensions are shown in millimeter "mm"
2. General tolerance ± 0.2 mm, unless other specified
3. I_{rated} for an approximate 40°C temperature rise
4. I_{rated} for an approximate 20% drop maximum of the initial value
5. Tape and reel quantity, 500 pcs/reel
6. For non-RoHS parts replace DR prefix with 42- (e.g. DR353-3 becomes 42-353-3)
7. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D