



Shielded High Power Inductors — DR Series (SMD) (Cont.)



Rated Inductance (µH)	OCL(1) ± 20% (µH)	IRMS(2) Amperes	ISAT(3) Amperes Peak	DCR(4) (Ω) (Typ.)	Volt-µSec(5) (Typ.)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Coiltronics Part No.
							1	10	100		Qty.	Pricing	
15.0	15.01	1.83	2.05	0.0844	13.9	513-1135-1-ND	1.38	1.26	.94	513-1135-2-ND	1,350	582.40/M	DR73-150-R
22.0	22.65	1.62	1.67	0.107	17.0	513-1532-1-ND	1.38	1.26	.94	513-1532-2-ND	1,350	582.40/M	DR73-220-R
33.0	34.41	1.31	1.35	0.1660	21.0	513-1131-1-ND	1.38	1.26	.94	513-1131-2-ND	1,350	582.40/M	DR73-330-R
47.0	48.62	1.08	1.14	0.2410	24.9	513-1136-1-ND	1.38	1.26	.94	513-1136-2-ND	1,350	582.40/M	DR73-470-R
100	101.4	0.73	0.79	0.527	36.0	513-1531-1-ND	1.38	1.26	.94	513-1531-2-ND	1,350	582.40/M	DR73-101-R
220	223.3	0.52	0.53	1.05	53.5	513-1663-1-ND	1.38	1.26	.94	513-1663-2-ND	1,350	582.40/M	DR73-221-R
DR74 Series													
1.00	0.952	5.39	10.2	0.0099	3.08	513-1139-1-ND	1.40	1.28	.96	513-1139-2-ND	1,100	594.80/M	DR74-1R0-R
1.50	1.422	4.94	8.35	0.0118	3.76	513-1389-1-ND	1.40	1.28	.96	513-1389-2-ND	1,100	594.80/M	DR74-1R5-R
2.20	1.986	4.76	7.06	0.0126	4.45	513-1140-1-ND	1.40	1.28	.96	513-1140-2-ND	1,100	594.80/M	DR74-2R2-R
3.30	3.396	3.94	5.40	0.0183	5.81	513-1665-1-ND	1.40	1.28	.96	513-1665-2-ND	1,100	594.80/M	DR74-3R3-R
4.70	5.182	3.34	4.37	0.0254	7.18	513-1550-1-ND	1.40	1.28	.96	513-1550-2-ND	1,100	594.80/M	DR74-4R7-R
6.80	7.344	2.60	3.67	0.0418	8.55	513-1536-1-ND	1.40	1.28	.96	513-1536-2-ND	1,100	594.80/M	DR74-6R8-R
10.0	9.882	2.41	3.17	0.0489	9.92	513-1137-1-ND	1.40	1.28	.96	513-1137-2-ND	1,100	594.80/M	DR74-100-R
15.0	16.09	2.11	2.48	0.0637	12.7	513-1138-1-ND	1.40	1.28	.96	513-1138-2-ND	1,100	594.80/M	DR74-150-R
22.0	21.73	1.75	2.13	0.0925	14.7	513-1390-1-ND	1.40	1.28	.96	513-1390-2-ND	1,100	594.80/M	DR74-220-R
33.0	33.01	1.41	1.73	0.143	18.1	513-1141-1-ND	1.40	1.28	.96	513-1141-2-ND	1,100	594.80/M	DR74-330-R
47.0	49.64	1.15	1.41	0.216	22.2	513-1535-1-ND	1.40	1.28	.96	513-1535-2-ND	1,100	594.80/M	DR74-470-R
68.0	69.67	1.03	1.19	0.265	26.3	513-1690-1-ND	1.40	1.28	.96	513-1690-2-ND	1,100	594.92/M	DR74-680-R
82.0	80.95	0.91	1.11	0.345	28.4	513-1666-1-ND	1.40	1.28	.96	513-1666-2-ND	1,100	594.80/M	DR74-820-R
100	101.6	0.86	0.99	0.383	31.8	513-1225-1-ND	1.40	1.28	.96	513-1225-2-ND	1,100	594.80/M	DR74-101-R
150	150.0	0.69	0.81	0.591	38.6	513-1388-1-ND	1.40	1.28	.96	513-1388-2-ND	1,100	594.80/M	DR74-151-R
220	227.0	0.56	0.66	0.907	47.5	513-1391-1-ND	1.40	1.28	.96	513-1391-2-ND	1,100	594.80/M	DR74-221-R
330	335.6	0.45	0.54	1.41	57.8	513-1392-1-ND	1.40	1.28	.96	513-1392-2-ND	1,100	594.80/M	DR74-331-R
820	812.7	0.31	0.35	2.93	89.9	513-1667-1-ND	1.40	1.28	.96	513-1667-2-ND	1,100	594.80/M	DR74-821-R
1000	1009	0.27	0.31	3.89	100	513-1387-1-ND	1.40	1.28	.96	513-1387-2-ND	1,100	594.80/M	DR74-102-R
DR124 Series													
1.0	0.83	13.9	18.00	.003	—	513-1427-1-ND	1.44	1.31	.98	513-1427-2-ND	750	455.39	DR124-1R0-R
1.5	1.37	11.1	14.00	.00475	—	513-1428-1-ND	1.44	1.31	.98	513-1428-2-ND	750	455.39	DR124-1R5-R
2.2	2.04	9.1	11.45	.00592	—	513-1429-1-ND	1.44	1.31	.98	513-1429-2-ND	750	455.39	DR124-2R2-R
4.7	4.88	6.5	7.65	.01350	—	513-1430-1-ND	1.44	1.31	.98	513-1430-2-ND	750	455.39	DR124-4R7-R
10	8.94	4.5	5.80	.02333	—	513-1431-1-ND	1.44	1.31	.98	513-1431-2-ND	750	455.39	DR124-100-R
12	11.5	4.1	4.96	.03167	—	513-1432-1-ND	1.44	1.31	.98	513-1432-2-ND	750	455.39	DR124-120-R
15	14.2	3.6	4.62	.03730	—	513-1433-1-ND	1.44	1.31	.98	513-1433-2-ND	750	455.39	DR124-150-R
22	20.7	3.2	3.83	.05399	—	513-1434-1-ND	1.44	1.31	.98	513-1434-2-ND	750	455.39	DR124-220-R
33	31.2	2.6	3.12	.08083	—	513-1435-1-ND	1.44	1.31	.98	513-1435-2-ND	750	455.39	DR124-330-R
47	44.0	2.2	2.63	.12466	—	513-1436-1-ND	1.44	1.31	.98	513-1436-2-ND	750	455.39	DR124-470-R
100	95.1	1.5	1.79	.25667	—	513-1437-1-ND	1.44	1.31	.98	513-1437-2-ND	750	455.39	DR124-101-R
220	216	1.0	1.15	.55800	—	513-1438-1-ND	1.44	1.31	.98	513-1438-2-ND	750	455.39	DR124-221-R
330	327	0.83	0.92	.82500	—	513-1439-1-ND	1.44	1.31	.98	513-1439-2-ND	750	455.39	DR124-331-R
DR125 Series													
1.00	0.894	15.0	23.6	0.0024	4.43	513-1126-1-ND	1.44	1.31	.98	513-1126-2-ND	600	364.31	DR125-1R0-R
1.50	1.478	13.8	18.3	0.0029	5.70	513-1689-1-ND	1.44	1.31	.98	513-1689-2-ND	600	364.38	DR125-1R5-R
2.20	2.208	10.9	15.0	0.0045	6.97	513-1662-1-ND	1.44	1.31	.98	513-1662-2-ND	600	364.31	DR125-2R2-R
3.30	3.084	9.26	12.7	0.0063	8.23	513-1529-1-ND	1.44	1.31	.98	513-1529-2-ND	600	364.31	DR125-3R3-R
4.70	5.274	7.18	9.71	0.0105	10.8	513-1125-1-ND	1.44	1.31	.98	513-1125-2-ND	600	364.31	DR125-4R7-R
6.80	6.588	6.64	8.68	0.0123	12.0	513-1530-1-ND	1.44	1.31	.98	513-1530-2-ND	600	364.31	DR125-6R8-R
10.0	9.654	5.35	7.17	0.0189	14.6	513-1525-1-ND	1.44	1.31	.98	513-1525-2-ND	600	364.31	DR125-100-R
15.0	15.35	4.27	5.69	0.0298	18.4	513-1527-1-ND	1.44	1.31	.98	513-1527-2-ND	600	364.31	DR125-150-R
22.0	22.36	3.70	4.71	0.0396	22.2	513-1127-1-ND	1.44	1.31	.98	513-1127-2-ND	600	364.31	DR125-220-R
33.0	33.74	3.28	3.84	0.0505	27.2	513-1528-1-ND	1.44	1.31	.98	513-1528-2-ND	600	364.31	DR125-330-R
47.0	47.47	2.71	3.24	0.0740	32.3	513-1128-1-ND	1.44	1.31	.98	513-1128-2-ND	600	364.31	DR125-470-R
68.0	67.91	2.22	2.70	0.101	38.6	513-1386-1-ND	1.44	1.31	.98	513-1386-2-ND	600	364.31	DR125-680-R
100	102.7	1.78	2.20	0.170	47.5	513-1526-1-ND	1.44	1.31	.98	513-1526-2-ND	600	364.31	DR125-101-R
220	216.8	1.19	1.51	0.384	69.0	513-1549-1-ND	1.44	1.31	.98	513-1549-2-ND	600	364.31	DR125-221-R
DR127 Series													
0.47	0.419	17.9	56.0	0.00195	3.50	513-1059-1-ND	1.61	1.47	1.10	513-1059-2-ND	350	238.54	DR127-R47-R
1.00	0.821	15.5	40.0	0.00313	4.90	513-1218-1-ND	1.61	1.47	1.10	513-1218-2-ND	350	238.54	DR127-1R0-R
1.50	1.357	13.5	31.1	0.00341	6.30	513-1219-1-ND	1.61	1.47	1.10	513-1219-2-ND	350	238.54	DR127-1R5-R
2.20	2.027	12.5	25.5	0.00402	7.70	513-1220-1-ND	1.61	1.47	1.10	513-1220-2-ND	350	238.54	DR127-2R2-R
3.30	2.831	10.5	21.5	0.00567	9.10	513-1221-1-ND	1.61	1.47	1.10	513-1221-2-ND	350	238.54	DR127-3R3-R
4.70	4.841	8.25	16.5	0.00917	11.9	513-1222-1-ND	1.61	1.47	1.10	513-1222-2-ND	350	238.54	DR127-4R7-R
6.80	7.387	7.34	13.3	0.0116	14.7	513-1055-1-ND	1.61	1.47	1.10	513-1055-2-ND	350	238.54	DR127-6R8-R
8.20	8.861	6.32	12.2	0.0157	16.1	513-1058-1-ND	1.61	1.47	1.10	513-1058-2-ND	350	238.54	DR127-8R2-R
10.0	10.47	6.04	11.2	0.0172	17.5	513-1037-1-ND	1.61	1.47	1.10	513-1037-2-ND	350	238.54	DR127-100-R
15.0	14.09	5.03	9.66	0.0247	20.3	513-1040-1-ND	1.61	1.47	1.10	513-1040-2-ND	350	238.54	DR127-150-R
22.0	22.93	4.00	7.57	0.0391	25.9	513-1044-1-ND	1.61	1.47	1.10	513-1044-2-ND	350	238.54	DR127-220-R
33.0	33.92	3.23	6.22	0.0600	31.5	513-1047-1-ND	1.61	1.47	1.10	513-1047-2-ND	350	238.54	DR127-330-R
47.0	47.05	2.95	5.28	0.0719	37.1	513-1050-1-ND	1.61	1.47	1.10	513-1050-2-ND	350	238.54	DR127-470-R
68.0	66.48	2.44	4.44	0.105	44.1	513-1053-1-ND	1.61	1.47	1.10	513-1053-2-ND	350	238.54	DR127-680-R
82.0	79.75	2.09	4.06	0.143	48.3	513-1056-1-ND	1.61	1.47	1.10	513-1056-2-ND	350	238.54	DR127-820-R
100	99.31	1.96	3.64	0.163	53.9	513-1038-1-ND	1.61	1.47	1.10	513-1038-2-ND	350	238.54	DR127-101-R
150	144.9	1.59	3.01	0.247	65.1	513-1041-1-ND	1.61	1.47	1.10	513-1041-2-ND	350	238.54	DR127-151-R
220	221.5	1.29	2.43	0.376	80.5	513-1045-1-ND	1.61	1.47	1.10	513-1045-2-ND	350	238.54	DR127-221-R
330	323.6	1.04	2.01	0.574	97.3	513-1048-1-ND	1.61	1.47	1.10	513-1048-2-ND	350	238.54	DR127-331-R
470	467.1	0.85	1.68	0.861	117	513-1051-1-ND	1.61	1.47	1.10	513-1051-2-ND	350	238.54	DR127-471-R
680	676.7	0.76	1.39	1.08	141	513-1223-1-ND	1.61	1.47	1.10	513-1223-2-ND	350	238.54	DR127-681-R
820	818.1	0.65	1.27	1.47	155	513-1224-1-ND	1.61	1.47	1.10	513-1224-2-ND	350	238.54	DR127-821-R
1000	1005	0.61	1.14	1.66	172	513-1217-1-ND	1.61	1.47	1.10	513-1217-2-ND	350	238.54	DR127-102-R

Note (1): Open Circuit Inductance Test Parameters: 100kHz, 0.250Vrms, 0.0 Adc 125°C. Note (2): RMS current for an approximate ΔT of 40°C without core loss. It is recommended that the temperature of the part not exceed 125°C. Note (3): Peak current for approximately 30% roll-off at 20°C Note (4): DCR limits at 20°C Note (5): Applied Volt-Time product (V-µs) across the inductor at 100kHz necessary to generate a core loss equal to 10% of the total losses for 40°C temperature rise.

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