

*Click an image to view the series datasheet or the blue link to view parts available at Digi-Key.



SMT Shielded Power Inductors

Inductance vs Current Rating Reference Table



Legend
Isat DCR
(A) (Ohms)
1.95 0.048



[SD6020](#) [SD6030](#) [SD7030](#) [DR73](#) [DRA73*](#) [DR74](#) [DRA74*](#) [DR1030](#) [DR1040](#) [DR1050](#) [DR124](#) [DRA124*](#) [DR125](#) [DRA125*](#) [DR127](#) [DRA127*](#)

L x W mm	5.7x5.7	5.7x5.7	6.7x6.7	7.3x7.3	7.3x7.3	7.3x7.3	7.3x7.3	10.0x10.2	10.0x10.2	10.0x10.2	12.3x12.3	12.3x12.3	12.3x12.3	12.3x12.3	12.3x12.3	12.3x12.3																
Height mm	2.0	3.0	3.0	3.55	3.55	4.35	4.35	3.0	4.0	5.0	4.5	4.5	6.0	6.0	8.0	8.0																
Inductance μ H																																
0.28-0.47				14.4	0.007	14.8	0.004	18.4	0.007	18.4	0.005			24.4	0.002	30.8	0.002	33.0	0.002	33.2	0.002	56.0	0.002	56.0	0.001							
0.70-1.1				7.97	0.010	8.22	0.007	10.2	0.010	10.2	0.008	9.50	0.007	13.5	0.003	18.0	0.003	22.0	0.003	23.6	0.002	23.7	0.002	40.0	0.003	40.0	0.002					
1.3-1.5			4.50	0.010	6.52	0.013	6.73	0.010	8.35	0.012	8.36	0.009		10.0	0.006	10.5	0.004	14.0	0.005	17.1	0.005	18.3	0.003	18.4	0.003	31.1	0.003	31.1	0.003			
1.9-2.7		2.70	0.013		5.52	0.017	4.93	0.016	7.06	0.013	6.13	0.012	7.41	0.009	7.80	0.007	9.25	0.006	11.5	0.006	14.0	0.007	15.0	0.005	15.1	0.005	25.5	0.004	25.5	0.004		
2.8-3.9	1.95	0.048	2.40	0.018	3.00	0.020	4.22	0.026	4.35	0.022	5.40	0.018	5.41	0.016	6.08	0.012	6.40	0.010	8.20	0.008	8.40	0.013	11.9	0.001	12.7	0.006	12.8	0.006	21.5	0.006	18.7	0.007
4.0-4.8		2.20	0.023	2.60	0.022	3.78	0.030	3.52	0.033			4.38	0.024	5.13	0.016		6.70	0.010	7.65	0.014	9.06	0.014					16.5	0.009	16.5	0.010		
5.2-6.3	1.60	0.063	1.80	0.033	2.25	0.029			4.37	0.025		4.75	0.023	5.50	0.014	5.80	0.013	6.47	0.018			9.71	0.011	8.74	0.012							
6.5-7.5	1.40	0.080		2.10	0.045	3.12	0.044	2.96	0.041	3.68	0.034	3.68	0.034	3.90	0.025	4.80	0.017		6.22	0.022	7.33	0.021	8.68	0.012	7.90	0.013	13.3	0.012	13.3	0.012		
8.0	1.25	0.097	1.60	0.039	1.85	0.048	2.66	0.059	2.74	0.053	3.40	0.044	3.17	0.040	3.54	0.028	4.60	0.024	5.00	0.015		6.70	0.028		7.86	0.018	12.2	0.016	12.2	0.016		
10.0	1.20	0.103	1.30	0.048	1.70	0.054	2.47	0.066	2.39	0.064	3.17	0.049	2.97	0.043	3.18	0.040	4.40	0.026	4.58	0.018	5.80	0.023	6.16	0.031	7.17	0.019	7.22	0.017	11.2	0.017	11.2	0.017
15.0	0.97	0.163	1.10	0.076	1.40	0.070	2.05	0.084	2.00	0.094	2.48	0.064	2.36	0.067	2.66	0.057	3.60	0.037	3.70	0.026	4.62	0.037	5.31	0.044	5.69	0.030	5.72	0.027	9.66	0.025	9.03	0.027
22.0	0.80	0.242	0.90	0.090	1.20	0.107	1.67	0.107	1.64	0.141	2.13	0.093	1.96	0.100	2.19	0.096	2.90	0.054	3.00	0.039	3.83	0.054	4.16	0.071	4.71	0.040	4.74	0.035	7.57	0.039	7.57	0.040
33.0	0.65	0.321	0.75	0.140	0.97	0.138	1.35	0.166	1.35	0.183	1.73	0.143	1.61	0.151	1.81	0.114	2.45	0.069	2.50	0.058	3.12	0.081	3.42	0.108	3.84	0.051	3.86	0.053	6.22	0.060	6.22	0.060
47.0	0.54	0.496			1.14	0.241	1.10	0.275	1.41	0.216	1.37	0.219	1.52	0.167	2.10	0.095	2.10	0.089	2.63	0.125	2.91	0.134	3.24	0.074	3.13	0.081	5.28	0.072	5.09	0.091		
68.0	0.43	0.700	0.52	0.263	0.65	0.253	0.96	0.358	0.94	0.397	1.19	0.265	1.11	0.286	1.24	0.253	1.65	0.152	1.70	0.111	2.13	0.183	2.37	0.201	2.70	0.101	2.64	0.120	4.44	0.105	4.18	0.115
82.0	0.41	0.815	0.46	0.343	0.60	0.325	0.89	0.384	0.85	0.530	1.11	0.345	1.03	0.367	1.14	0.332	1.47	0.214	1.58	0.147	1.94	0.212	2.23	0.257	2.39	0.128	2.41	0.135	4.06	0.143	3.84	0.155
100	0.36	1.00	0.42	0.385	0.54	0.446	0.79	0.527	0.76	0.609	0.99	0.383	0.93	0.419	1.05	0.375	1.35	0.225	1.45	0.164	1.79	0.257	2.00	0.296	2.20	0.170	2.21	0.178	3.64	0.163	3.46	0.175
150		0.35	0.608	0.44	0.715	0.65	0.851	0.63	0.932	0.81	0.591	0.75	0.648	0.86	0.590	1.15	0.356	1.15	0.238	1.44	0.371	1.62	0.454	1.81	0.248	1.79	0.273	3.01	0.247	2.83	0.269	
220		0.30	1.00	0.36	1.10	0.53	1.05	0.51	1.23	0.66	0.907	0.63	0.960		0.92	0.530	0.98	0.377	1.15	0.558	1.36	0.568	1.51	0.384	1.47	0.416	2.43	0.376	2.35	0.398		
330		0.25	1.73	0.30	1.44	0.44	1.59	0.42	1.85	0.54	1.41	0.51	1.50		0.70	0.810	0.80	0.554	0.92	0.825	1.09	0.892	1.22	0.482	1.19	0.543	2.01	0.574	1.93	0.612		
470		0.20	2.25	0.25	2.15	0.37	2.36	0.35	2.67	0.46	1.74	0.42	1.93			0.62	0.855	0.74	1.24	0.91	1.32	1.02	0.718	1.01	0.790	1.68	0.861	1.62	0.910			
680		0.16	3.46	0.21	3.21	0.31	3.47	0.30	3.89	0.38	2.58	0.35	2.86			0.55	1.10	0.65	1.85	0.76	1.96	0.85	1.10	0.83	1.20	1.39	1.08	1.33	1.15			
820					0.28	3.93	0.27	4.46	0.35	2.93	0.33	3.63				0.50	1.19	0.62	2.11	0.70	2.57	0.77	1.49	0.76	1.36	1.27	1.47	1.22	1.54			
1000					0.25	4.34	0.24	5.15	0.31	3.89	0.29	4.19				0.48	1.53	0.53	2.90	0.63	2.94	0.70	1.69	0.70	1.78	1.14	1.66	1.10	1.75			

* All DRA solutions (DRA73, DRA74, DRA124, DRA125, and DRA127) are automotive grade components tested per AEC-Q200