

UNSHIELDED SMD POWER INDUCTORS / DLG TYPE

FEATURES

- ◆ Silver Plated Type
- ◆ High power and high saturation
- ◆ Ideal inductors for DC/DC conversion

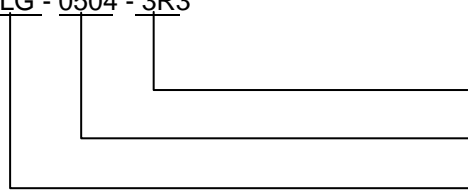
APPLICATIONS

- ◆ LCD TV
- ◆ DC/DC converter
- ◆ Digital camera
- ◆ Portable communication equipment



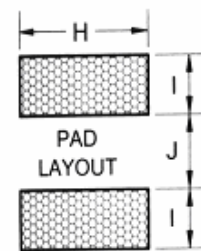
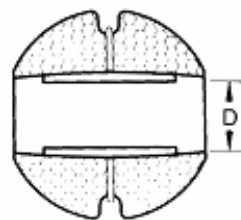
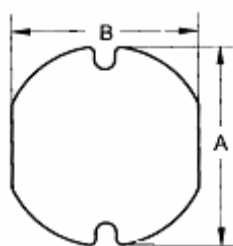
ORDERING CODE

DLG - 0504 - 3R3



Inductance
Dimension
Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D (Ref.)	H (Ref.)	I (Ref.)	J (Ref.)
DLG-0302	3.0 ± 0.3	2.8 ± 0.3	2.5 ± 0.3	0.8	3.0	1.40	0.8
DLG-0403	4.5 ± 0.3	4.0 ± 0.3	3.2 ± 0.3	1.3	4.5	1.75	1.5
DLG-0504	5.8 ± 0.3	5.2 ± 0.3	4.5 ± 0.3	1.3	5.5	2.15	1.7
DLG-0703	7.8 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	2.1	7.5	3.00	2.0
DLG-0705	7.8 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	2.1	7.5	3.00	2.0
DLG-1004	10.0 ± 0.3	9.0 ± 0.3	4.0 ± 0.3	2.1	9.5	3.75	2.5
DLG-1005	10.0 ± 0.4	9.0 ± 0.4	5.4 ± 0.3	2.1	9.5	3.75	2.5

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ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	DC Resistance (Ω) Max							Rated Current (A) Max						
		0302	0403	0504	0703	0705	1004	1005	0302	0403	0504	0703	0705	1004	1005
1R0	1.0	0.07	0.049	0.028					2.080	2.560	3.00				
1R4	1.4	0.09	0.057	0.029					1.860	2.520	2.80				
1R8	1.8	0.11	0.064	0.030					1.800	1.950	2.60				
2R2	2.2	0.13	0.072	0.042					1.390	1.750	2.30				
2R7	2.7	0.14	0.079	0.044					1.320	1.580	2.10				
3R3	3.3	0.20	0.087	0.045					1.250	1.440	2.00				
3R9	3.9	0.21	0.094	0.047					1.200	1.330	1.95				
4R7	4.7	0.33	0.109	0.048					1.030	1.150	1.90				
5R6	5.6	0.35	0.126	0.050					0.910	1.100	1.80				
6R8	6.8	0.38	0.132	0.060					0.850	1.080	1.60				
8R2	8.2	0.43	0.147	0.090					0.820	1.050	1.50				
100	10	0.50	0.182	0.10	0.08	0.07	0.05	0.06	0.740	1.040	1.44	1.44	2.30	2.38	2.60
120	12	0.65	0.210	0.12	0.09	0.08	0.06	0.07	0.640	0.970	1.40	1.39	2.00	2.13	2.45
150	15	0.82	0.235	0.14	0.10	0.09	0.07	0.08	0.600	0.850	1.30	1.24	1.80	1.87	2.27
180	18	0.90	0.338	0.15	0.11	0.10	0.08	0.09	0.540	0.740	1.23	1.12	1.60	1.73	2.15
220	22	1.14	0.378	0.18	0.13	0.11	0.09	0.10	0.500	0.680	1.11	1.07	1.50	1.60	1.95
270	27	1.39	0.522	0.20	0.15	0.12	0.10	0.11	0.430	0.620	0.97	0.94	1.30	1.44	1.76
330	33	1.55	0.540	0.23	0.17	0.13	0.12	0.12	0.400	0.560	0.88	0.85	1.20	1.26	1.50
390	39	2.15	0.587	0.32	0.22	0.16	0.15	0.14	0.370	0.520	0.80	0.74	1.10	1.20	1.37
470	47	2.44	0.844	0.37	0.25	0.18	0.17	0.17	0.360	0.440	0.72	0.68	1.10	1.10	1.28
560	56	2.68	0.937	0.42	0.28	0.24	0.20	0.19	0.310	0.420	0.68	0.64	0.94	1.01	1.17
680	68	3.05	1.117	0.46	0.33	0.28	0.22	0.22	0.300	0.370	0.61	0.59	0.85	0.91	1.11
820	82	3.48	1.200	0.60	0.41	0.37	0.25	0.25	0.280	0.300	0.58	0.54	0.78	0.85	1.00
101	100	3.84	1.440	0.70	0.48	0.43	0.34	0.35	0.250	0.280	0.52	0.51	0.72	0.74	0.97
121	120	5.76	1.600	0.93	0.54	0.47	0.40	0.40	0.200	0.240	0.48	0.49	0.66	0.69	0.89
151	150	6.62	1.800	1.10	0.75	0.64	0.54	0.47	0.190	0.220	0.40	0.40	0.58	0.61	0.78
181	180	7.36	2.180	1.38	1.02	0.71	0.62	0.63	0.170	0.210	0.38	0.36	0.51	0.56	0.72
221	220	8.38	2.570	1.57	1.20	0.96	0.72	0.73	0.160	0.200	0.35	0.31	0.49	0.53	0.66
271	270	13.69	3.520	1.85	1.31	1.11	0.95	0.97	0.140	0.180	0.28	0.29	0.42	0.45	0.57
331	330	15.78	5.000	2.00	1.50	1.26	1.10	1.15	0.130	0.120	0.26	0.28	0.40	0.42	0.52
391	390	17.40	6.000	2.60	2.70	1.77	1.24	1.30	0.120	0.115	0.24	0.27	0.36	0.38	0.48
471	470	20.00	7.000	3.00	3.00	1.96	1.53	1.48	0.084	0.110	0.12	0.25	0.34	0.35	0.42
561	560			4.19			1.90	1.90			0.10			0.32	0.33
681	680			4.44				2.25			0.08				0.28
821	820			5.12				2.55			0.05				0.24
102	1000			10.00							0.03				

★ Test Frequency: 1.0~8.2uH(7.96MHz), 10~82uH(2.52MHz), 100~1000uH(1KHz) / 0.25 V