



**HESTORE.HU**

elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).

**UNSHIELDED SMD POWER INDUCTORS / DLG TYPE**

**FEATURES**

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

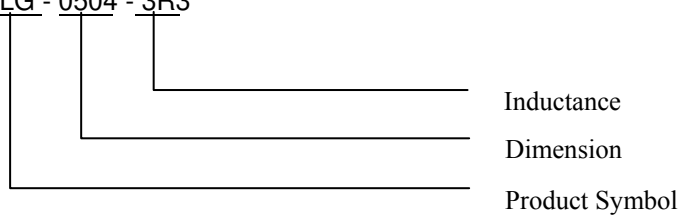
**APPLICATIONS**

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

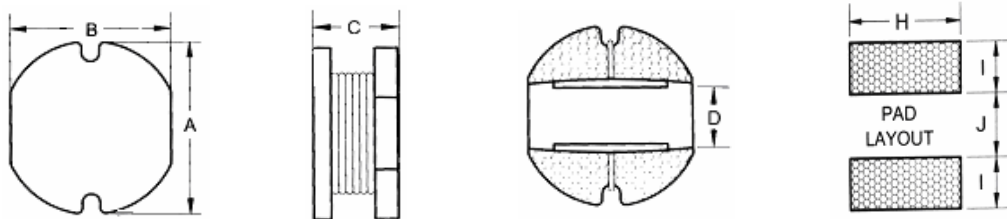


**ORDERING CODE**

DLG - 0504 - 3R3



**SHAPES**



**DIMENSIONS (UNIT: mm)**

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

**UNSHIELDED SMD POWER INDUCTORS / DLG TYPE**

**ELECTRICAL CHARACTERISTICS**

Part No.	Inductance ( $\mu$ H)	DC Resistance ( $\Omega$ ) Max							Rated Current (A) Max						
		0302	0403	0504	0703	0705	1004	1005	0302	0403	0504	0703	0705	1004	1005
<b>1R0</b>	1.0	0.07	0.049	0.028					2.080	2.560	3.00				
<b>1R4</b>	1.4	0.09	0.057	0.029					1.860	2.520	2.80				
<b>1R8</b>	1.8	0.11	0.064	0.030					1.800	1.950	2.60				
<b>2R2</b>	2.2	0.13	0.072	0.042					1.390	1.750	2.30				
<b>2R7</b>	2.7	0.14	0.079	0.044					1.320	1.580	2.10				
<b>3R3</b>	3.3	0.20	0.087	0.045					1.250	1.440	2.00				
<b>3R9</b>	3.9	0.21	0.094	0.047					1.200	1.330	1.95				
<b>4R7</b>	4.7	0.33	0.109	0.048					1.030	1.150	1.90				
<b>5R6</b>	5.6	0.35	0.126	0.050					0.910	1.100	1.80				
<b>6R8</b>	6.8	0.38	0.132	0.060					0.850	1.080	1.60				
<b>8R2</b>	8.2	0.43	0.147	0.090					0.820	1.050	1.50				
<b>100</b>	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
<b>120</b>	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
<b>150</b>	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
<b>180</b>	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
<b>220</b>	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
<b>270</b>	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
<b>330</b>	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
<b>390</b>	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
<b>470</b>	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
<b>560</b>	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
<b>680</b>	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
<b>820</b>	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
<b>101</b>	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
<b>121</b>	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
<b>151</b>	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
<b>181</b>	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
<b>221</b>	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
<b>271</b>	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
<b>331</b>	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
<b>391</b>	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
<b>471</b>	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
<b>561</b>	560			4.19			1.90	1.90			0.10			0.32	0.33
<b>681</b>	680			4.44				2.25			0.08				0.28
<b>821</b>	820			5.12				2.55			0.05				0.24
<b>102</b>	1000			10.00							0.03				

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