



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

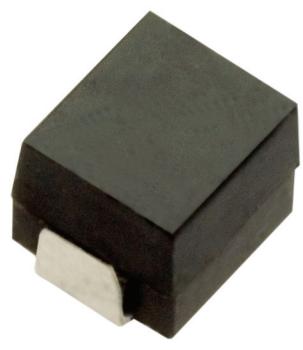
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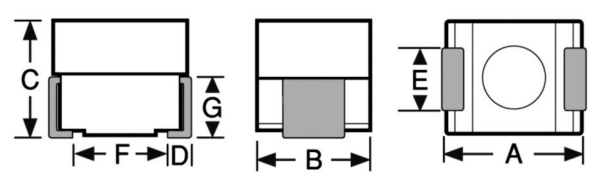
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Unshielded Surface Mount Inductors



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions "A" and "C" are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range -55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C

Phenolic: 0.169 W
Ferrite: 0.208 W

Marking SMD; Dash number with tolerance letter; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1008R-181J
SMD
181J
R 0703A

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

DASH NUMBER	INDUCTANCE (μH)	TOLERANCE	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
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SERIES 1008 PHENOLIC CORE							
-018M	0.0018	±20%	40	50	2700	0.050	1562
-022M	0.0022	±20%	40	50	2700	0.050	1562
-027M	0.0027	±20%	40	50	2700	0.050	1562
-033M	0.0033	±20%	40	50	2700	0.050	1562
-039M	0.0039	±20%	40	50	2700	0.050	1562
-047M	0.0047	±20%	40	50	2700	0.050	1562
-056M	0.0056	±20%	40	50	2700	0.050	1562
-068M	0.0068	±20%	40	50	2700	0.050	1562
-082M	0.0082	±20%	40	50	2700	0.050	1562
-100K	0.010	±10%	40	50	2700	0.050	1562
-120K	0.012	±10%	40	50	2450	0.058	1450
-150K	0.015	±10%	40	50	2200	0.064	1381
-180K	0.018	±10%	40	50	2000	0.070	1320
-220K	0.022	±10%	35	50	1800	0.080	1235
-270K	0.027	±10%	35	50	1625	0.090	1164
-330K	0.033	±10%	30	50	1450	0.100	1105
-390K	0.039	±10%	30	50	1335	0.110	1053
-470K	0.047	±10%	30	50	1220	0.120	1008
-560K	0.056	±10%	25	50	1110	0.170	847
-680K	0.068	±10%	25	50	1000	0.180	823
-820K	0.082	±10%	25	50	915	0.190	801
-101K	0.100	±10%	15	25	550	0.230	728
SERIES 1008 FERRITE CORE							
-121K	0.12	±10%	40	25	750	0.100	1225
-151K	0.15	±10%	40	25	650	0.110	1168
-181K	0.18	±10%	40	25	550	0.120	1119
-221K	0.22	±10%	40	25	450	0.135	1055
-271K	0.27	±10%	40	25	375	0.150	1000
-331K	0.33	±10%	40	25	300	0.165	954
-391K	0.39	±10%	40	25	250	0.180	913
-471K	0.47	±10%	40	25	215	0.210	846
-561K	0.56	±10%	40	25	195	0.230	808
-681K	0.68	±10%	40	25	175	0.260	760
-821K	0.82	±10%	40	25	140	0.300	708
-102J	1.0	±5%	30	7.9	125	0.320	685
-122J	1.2	±5%	30	7.9	100	0.430	591
-152J	1.5	±5%	30	7.9	92	0.500	548
-182J	1.8	±5%	30	7.9	76	0.720	457
-222J	2.2	±5%	30	7.9	70	0.800	433
-272J	2.7	±5%	30	7.9	62	0.880	413
-332J	3.3	±5%	30	7.9	60	0.950	398
-392J	3.9	±5%	30	7.9	57	1.20	354
-472J	4.7	±5%	30	7.9	47	1.35	334
-562J	5.6	±5%	30	7.9	44	1.54	312
-682J	6.8	±5%	30	7.9	35	2.00	274
-822J	8.2	±5%	30	7.9	33	2.16	264
-103J	10	±5%	30	7.9	28	2.50	245
-123J	12	±5%	30	2.5	24	3.50	207
-153J	15	±5%	30	2.5	21	4.00	194
-183J	18	±5%	30	2.5	19	5.00	173
-223J	22	±5%	30	2.5	17	6.00	158
-273J	27	±5%	30	2.5	15	7.00	146
-333J	33	±5%	30	2.5	13	8.00	135
-393J	39	±5%	30	2.5	12	9.00	125
-473J	47	±5%	30	2.5	11	10.00	120

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com