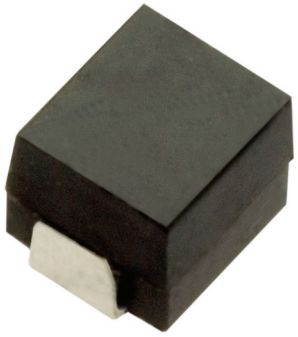
SERIES 1008R 1008

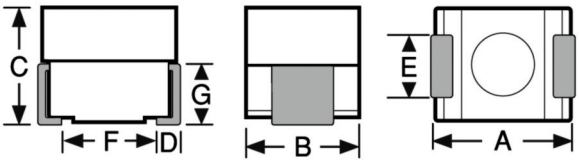
RoHS Compliant

Traditional First Quality

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°CRise

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	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
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

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