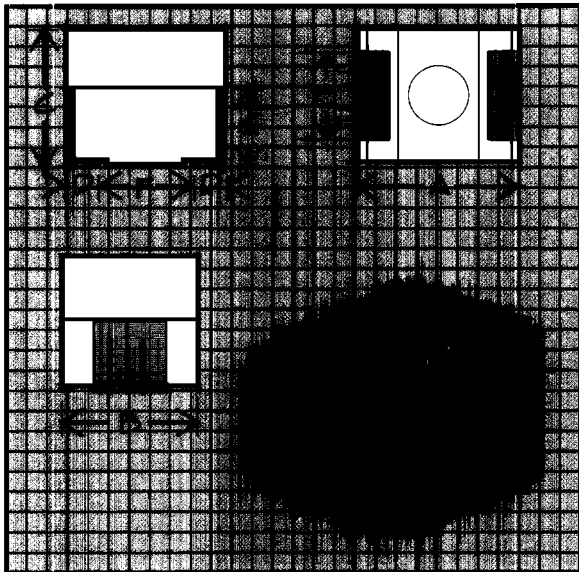


▶▶▶ Unshielded Surface Mount Inductors



Physical Parameters

Min. to Max. Dimensions

	Inches	Millimeters
A	.100 to .120	2.54 to 3.05
B	.085 to .105	2.16 to 2.67
C	.075 to .095	1.91 to 2.41
D	.010 to .030	.25 to .76
E	.040 to .060	1.02 to 1.52
F	.070(Ref. only)	1.78 (Ref. only)
G	.045 (Ref. only)	1.14 (Ref. only)

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

Operating Temperature Range

-55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C

Phenolic Core - 169 mW

Ferrite Core - 208 mW

Weight Max. (Grams) .1

U.S. Patent #4,914,804

Made In the U.S.A.

See Technical Notes, Blue Section

Series
1010

P
A
G
E
4

API/SMD DIVISION	PART NUMBER	INDUCTANCE (μH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	RESONANT FREQUENCY MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1010 PHENOLIC CORE							
	1010-100K	.010	40	50.	2700	.050	1562
	1010-120K	.012	40	50.	2450	.058	1450
	1010-150K	.015	40	50.	2200	.064	1381
	1010-180K	.018	40	50.	2000	.070	1320
	1010-220K	.022	35	50.	1800	.080	1235
	1010-270K	.027	35	50.	1625	.090	1164
	1010-330K	.033	30	50.	1450	.100	1105
	1010-390K	.039	30	50.	1335	.110	1053
	1010-470K	.047	30	50.	1220	.120	1008
	1010-560K	.056	25	50.	1110	.170	847
	1010-680K	.068	25	50.	1000	.180	823
	1010-820K	.082	25	50.	915	.190	801
	1010-101K	.100	15	25.	830	.230	728
SERIES 1010 FERRITE CORE							
	1010-121K	.12	40	25.	750	.100	1225
	1010-151K	.15	40	25.	650	.110	1168
	1010-181K	.18	40	25.	550	.120	1119
	1010-221K	.22	40	25.	450	.135	1055
	1010-271K	.27	40	25.	375	.150	1000
	1010-331K	.33	40	25.	300	.165	954
	1010-391K	.39	40	25.	250	.180	913
	1010-471K	.47	40	25.	215	.210	846
	1010-561K	.56	40	25.	195	.230	808
	1010-681K	.68	40	25.	175	.260	760
	1010-821K	.82	40	25.	140	.300	708
	1010-102K	1.0	30	7.9	125	.320	685
	1010-122K	1.2	30	7.9	100	.430	591
	1010-152K	1.5	30	7.9	92	.500	548
	1010-182K	1.8	30	7.9	76	.720	457
	1010-222K	2.2	30	7.9	70	.800	433
	1010-272K	2.7	30	7.9	62	.880	413
	1010-332K	3.3	30	7.9	60	.950	398
	1010-392K	3.9	30	7.9	57	1.20	354
	1010-472K	4.7	30	7.9	47	1.35	334
	1010-562K	5.6	30	7.9	44	1.54	312
	1010-682K	6.8	30	7.9	35	2.00	274
	1010-822K	8.2	30	7.9	33	2.16	264
	1010-103K	10	30	2.5	28	2.50	245
	1010-123K	12	30	2.5	24	3.50	207
	1010-153K	15	30	2.5	21	4.00	194
	1010-183K	18	30	2.5	19	5.00	173
	1010-223K	22	30	2.5	17	6.00	158
	1010-273K	27	30	2.5	15	7.00	146

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