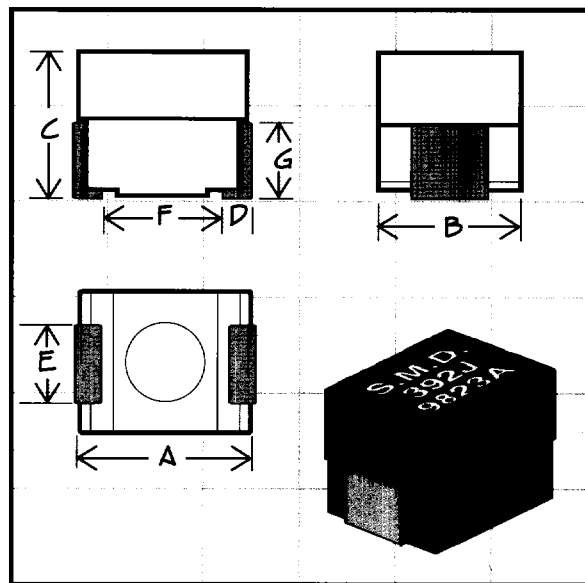


Series 1210

Surface Mount Inductors



Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.50
B	0.085 to 0.105	2.16 to 2.7
C	0.081 to 0.101	2.06 to 2.6
D	0.016 (Min.)	0.41 (Min.)
E	0.041 to 0.061	1.0 to 1.5
F	0.070 (Ref. only)	1.8 (Ref. only)
G	0.054 (Ref. only)	1.3 (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 Ambient

Phenolic: 0.168 W

Iron: 0.287 W

Ferrite: 0.257 W

Weight Max. (Grams) 0.1

Patent Protected

Made in the U.S.A.

PART NUMBER	INDUCTANCE (μH)	Q MINIMUM	TEST FREQUENCY (MHz)	RESONANT FREQUENCY MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. (mA)
SERIES 1210 PHENOLIC CORE						
1210-018M	0.0018±20%	40	50.0	2700	0.050	1562
1210-022M	0.0022±20%	40	50.0	2700	0.050	1562
1210-027M	0.0027±20%	40	50.0	2700	0.050	1562
1210-033M	0.0033±20%	40	50.0	2700	0.050	1562
1210-039M	0.0039±20%	40	50.0	2700	0.050	1562
1210-047M	0.0047±20%	40	50.0	2700	0.050	1562
1210-056M	0.0056±20%	40	50.0	2700	0.050	1562
1210-068M	0.0068±20%	40	50.0	2700	0.050	1562
1210-082M	0.0082±20%	40	50.0	2700	0.050	1562
1210-100K	0.010±10%	30	50.0	2000	0.13	966
1210-120K	0.012±10%	30	50.0	1850	0.14	931
1210-150K	0.015±10%	30	50.0	1700	0.16	871
1210-180K	0.018±10%	30	50.0	1550	0.18	821
1210-220K	0.022±10%	30	50.0	1300	0.20	779
1210-270K	0.027±10%	30	50.0	1150	0.22	743
1210-330K	0.033±10%	30	50.0	1000	0.24	711
1210-390K	0.039±10%	30	50.0	900	0.27	670
1210-470K	0.047±10%	30	50.0	800	0.30	636
1210-560K	0.056±10%	30	50.0	750	0.33	606
1210-680K	0.068±10%	30	50.0	700	0.36	580
1210-820K	0.082±10%	30	50.0	625	0.40	551
SERIES 1210 IRON CORE						
1210-101K	0.10±10%	30	25.0	550	0.20	1018
1210-121K	0.12±10%	30	25.0	500	0.22	971
1210-151K	0.15±10%	30	25.0	450	0.25	910
1210-181K	0.18±10%	30	25.0	400	0.28	860
1210-221K	0.22±10%	30	25.0	350	0.32	805
1210-271K	0.27±10%	30	25.0	320	0.36	759
1210-331K	0.33±10%	30	25.0	300	0.40	720
1210-391K	0.39±10%	30	25.0	250	0.45	679
1210-471K	0.47±10%	30	25.0	220	0.50	644
1210-561K	0.56±10%	30	25.0	180	0.55	614
1210-681K	0.68±10%	30	25.0	160	0.60	588
1210-821K	0.82±10%	30	25.0	140	0.67	556
SERIES 1210 FERRITE CORE						
1210-102J	1.0±5%	30	7.9	120	0.70	515
1210-122J	1.2±5%	30	7.9	100	0.75	497
1210-152J	1.5±5%	30	7.9	85	0.85	467
1210-182J	1.8±5%	30	7.9	75	0.90	454
1210-222J	2.2±5%	30	7.9	70	1.0	431
1210-272J	2.7±5%	30	7.9	65	1.1	411
1210-332J	3.3±5%	30	7.9	58	1.2	393
1210-392J	3.9±5%	30	7.9	50	1.3	378
1210-472J	4.7±5%	30	7.9	45	1.5	352
1210-562J	5.6±5%	30	7.9	42	1.6	341
1210-682J	6.8±5%	30	7.9	40	1.8	321
1210-822J	8.2±5%	30	7.9	35	2.0	305
1210-103J	10±5%	30	7.9	30	2.1	297
1210-123J	12±5%	30	2.5	28	2.5	272
1210-153J	15±5%	30	2.5	25	2.8	257
1210-183J	18±5%	30	2.5	23	3.3	237
1210-223J	22±5%	30	2.5	20	3.7	224
1210-273J	27±5%	30	2.5	18	5.0	193
1210-333J	33±5%	30	2.5	15	5.6	182
1210-393J	39±5%	30	2.5	14	6.4	170
1210-473J	47±5%	30	2.5	13	7.0	163
1210-563J	56±5%	30	2.5	11	8.0	152
1210-683J	68±5%	30	2.5	10	9.0	144
1210-823J	82±5%	30	2.5	9	10.0	136
1210-104J	100±5%	30	2.5	8	13.0	120

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

Series 1210

Performance Graphs

