SERIES 1210R 1210

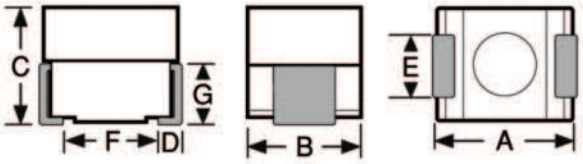
RoHS Compliant

Traditional First Quality

Surface Mount Inductors



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 (Min.)	0.41 (Min.)
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (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 Ambient
Phenolic: 0.168 W
Iron: 0.287 W
Ferrite: 0.287 W

****Note** Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1210-018M
DELEVAN
018
1822C

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

Made In the U.S.A.

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

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

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

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