

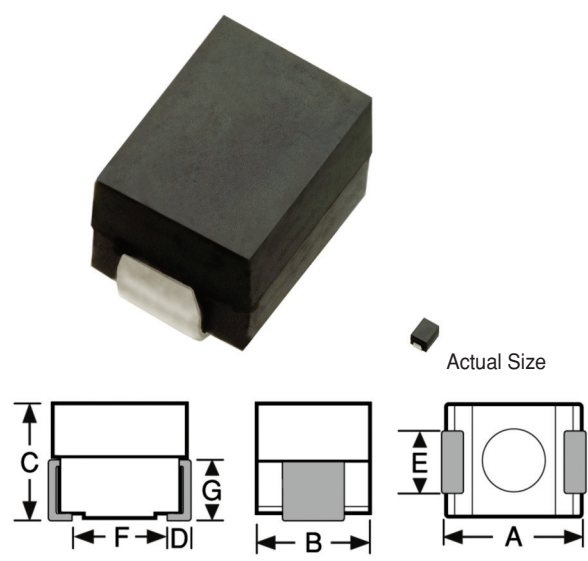
SERIES

**SP1210R
SP1210**



Shielded Surface Mount Power Inductors

DASH NUMBER*
INDUCTANCE (μH)
±10% @ 100 kHz
DC RESISTANCE
MAXIMUM (OHMS)
CURRENT RATING
MAXIMUM (mA DC)
INCREMENTAL
CURRENT (mA DC)



SERIES SP1210 FERRITE CORE				
-471K	0.470	0.079	1440	1870
-561K	0.560	0.085	1380	1720
-681K	0.680	0.093	1320	1580
-821K	0.820	0.10	1250	1420
-102K	1.00	0.11	1190	1290
-122K	1.20	0.13	1140	1180
-152K	1.5	0.14	1080	1060
-182K	1.80	0.15	1030	965
-222K	2.20	0.17	992	892
-272K	2.70	0.24	826	784
-332K	3.30	0.34	692	718
-392K	3.90	0.37	665	665
-472K	4.70	0.40	633	601
-562K	5.60	0.44	606	550
-682K	6.80	0.49	576	497
-822K	8.20	0.68	487	454
-103K	10.0	0.75	464	410
-123K	12.0	1.0	400	375
-153K	15.0	1.4	338	336
-183K	18.0	1.6	322	304
-223K	22.0	1.7	306	275
-273K	27.0	1.9	291	249
-333K	33.0	2.7	243	225
-393K	39.0	3.6	212	207
-473K	47.0	3.9	203	189
-563K	56.0	4.3	194	174
-683K	68.0	4.7	185	157
-823K	82.0	6.2	162	143
-104K	100	6.8	154	129
-124K	120	7.5	147	118
-154K	150	10.5	124	106
-184K	180	11.4	119	96
-224K	220	12.7	113	87
-274K	270	14.0	107	79
-334K	330	17.0	98	71
-394K	390	25.0	80	65

Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.66
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.

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

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.287 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial DC value

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

Example: SP1210R-102J

SMD
102JP
R 0845A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Coupling 5% Typical (Ref. M83446, 1mm spacing)

Made In the U.S.A.

Optional Tolerances: J = 5% H = 3% G = 2%
*Complete part # must include series # PLUS the dash #
For surface finish information, refer to www.delevanfinishes.com