



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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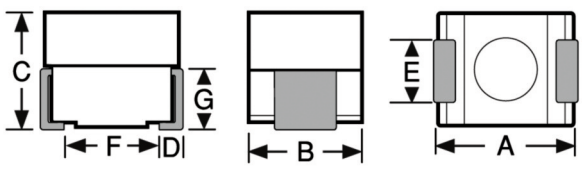
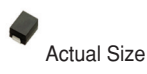
SERIES

**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)



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 API, dash number with tolerance letter followed by a P, date code/lot (YYWWL). Note: An R before the date code/lot symbol indicates a RoHS component.

Example: SP1210R-102J

API
102JP
R 1028A

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.

SERIES SP1210 FERRITE CORE				
-471K	0.470	0.100	1440	1870
-561K	0.560	0.109	1380	1720
-681K	0.680	0.119	1320	1580
-821K	0.820	0.133	1250	1420
-102K	1.00	0.147	1190	1290
-122K	1.20	0.160	1140	1180
-152K	1.5	0.175	1080	1060
-182K	1.80	0.195	1030	965
-222K	2.20	0.211	992	892
-272K	2.70	0.305	826	784
-332K	3.30	0.440	692	718
-392K	3.90	0.470	665	665
-472K	4.70	0.520	633	601
-562K	5.60	0.570	606	550
-682K	6.80	0.630	576	497
-822K	8.20	0.880	487	454
-103K	10.0	0.960	464	410
-123K	12.0	1.3	400	375
-153K	15.0	1.8	338	336
-183K	18.0	2.0	322	304
-223K	22.0	2.2	306	275
-273K	27.0	2.5	291	249
-333K	33.0	3.5	243	225
-393K	39.0	4.6	212	207
-473K	47.0	5.0	203	189
-563K	56.0	5.5	194	174
-683K	68.0	6.1	185	157
-823K	82.0	7.9	162	143
-104K	100	8.7	154	129
-124K	120	9.6	147	118
-154K	150	13.5	124	106
-184K	180	14.7	119	96
-224K	220	20.7	100	87
-274K	270	23.0	95	79
-334K	330	26.8	88	71
-394K	390	32.4	80	65

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