



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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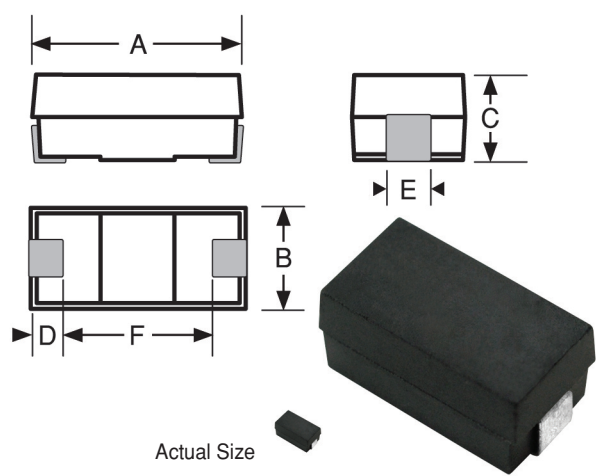
SERIES

P3519R
P3519



Surface Mount Power Inductors

INDUCTANCE (μH) @ 10KHz
DASH NUMBER*
TOLERANCE
DC RESISTANCE
MAXIMUM (OHMS)
CURRENT RATING
MAXIMUM (A)
INCREMENTAL
CURRENT DC (A)



Physical Parameters

	Inches	Millimeters
A	0.350 to 0.370	8.89 to 9.40
B	0.180 to 0.200	4.57 to 5.08
C	0.165 to 0.185	4.19 to 4.70
D	0.050 Min.	1.27 Min.
E	0.050 to 0.070	1.27 to 1.78
F	0.200 (Ref. Only)	5.08 (Ref. Only)

Dimensions "A" and "C" are over terminals

Operating Temperature Range -55°C to +130°C

Current Rating at 85° Ambient 45°C Rise

Maximum Power Dissipation at 90°C 0.414 W

Inductance Measured at 1VAC with no DC Current

Incremental Current The current at which the inductance will be decreased by a maximum of 10% from its initial DC value

Marking Delevan; dash number followed by a P; and date code/lot symbol (YYWWL). Note: An "R" before the date code/lot symbol indicates an RoHS Compliant choke
Example: P3519-104J

DELEVAN
104P
1323A

Terminal Material and Final Finish

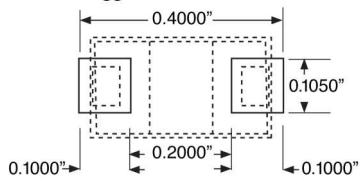
Series P3519: (Tin-Lead) Sn63Pb37 over (Copper) Cu
Series P3519R: (Tin-Silver-Copper) Sn96.5Ag3.0Cu0.5 over (Copper) Cu

Weight/Mass 0.490 Grams Maximum

Packaging Tape & reel (24mm):
13" reel, 1500 pieces max.

SERIES P3519 FERRITE CORE					
-101K	0.10	±10%	0.01	5.35	13.66
-121K	0.12	±10%	0.01	5.11	12.47
-151K	0.15	±10%	0.01	4.83	11.15
-181K	0.18	±10%	0.01	4.62	10.18
-221K	0.22	±10%	0.02	4.39	9.21
-271K	0.27	±10%	0.02	3.17	8.31
-331K	0.33	±10%	0.02	3.97	7.52
-391K	0.39	±10%	0.02	3.81	6.92
-471K	0.47	±10%	0.02	3.63	6.30
-561K	0.56	±10%	0.02	3.48	5.77
-681K	0.68	±10%	0.03	3.31	5.24
-821J	0.82	±5%	0.03	3.16	4.77
-102J	1.0	±5%	0.03	3.01	4.32
-122J	1.2	±5%	0.04	2.88	3.94
-152J	1.5	±5%	0.04	2.72	3.53
-182J	1.8	±5%	0.04	2.60	3.22
-222J	2.2	±5%	0.05	2.47	2.91
-272J	2.7	±5%	0.09	1.85	2.63
-332J	3.3	±5%	0.10	1.76	2.38
-392J	3.9	±5%	0.10	1.69	2.19
-472J	4.7	±5%	0.11	1.61	1.99
-562J	5.6	±5%	0.12	1.54	1.83
-682J	6.8	±5%	0.14	1.47	1.66
-822J	8.2	±5%	0.24	1.11	1.50
-103J	10	±5%	0.26	1.06	1.37
-123J	12	±5%	0.29	1.01	1.25
-153J	15	±5%	0.32	0.96	1.12
-183J	18	±5%	0.35	0.91	1.02
-223J	22	±5%	0.39	0.87	0.92
-273J	27	±5%	0.43	0.83	0.83
-333J	33	±5%	0.75	0.63	0.75
-393J	39	±5%	0.81	0.60	0.69
-473J	47	±5%	0.89	0.58	0.63
-563J	56	±5%	0.98	0.55	0.58
-683J	68	±5%	1.07	0.52	0.52
-823J	82	±5%	1.96	0.39	0.48
-104J	100	±5%	2.17	0.37	0.43
-124J	120	±5%	2.38	0.35	0.39
-154J	150	±5%	2.66	0.33	0.35
-184J	180	±5%	4.48	0.26	0.32
-224J	220	±5%	4.95	0.24	0.29
-274J	270	±5%	5.48	0.23	0.26
-334J	330	±5%	6.06	0.22	0.24
-394J	390	±5%	10.3	0.17	0.22
-474J	470	±5%	11.3	0.16	0.20
-564J	560	±5%	12.3	0.16	0.18
-684J	680	±5%	13.6	0.15	0.17
-824J	820	±5%	24.2	0.11	0.15
-105J	1000	±5%	26.7	0.11	0.14
-125J	1200	±5%	29.3	0.10	0.12
-155J	1500	±5%	32.8	0.10	0.11
-185J	1800	±5%	35.9	0.09	0.10
-225J	2200	±5%	39.7	0.09	0.09

Suggested Land Pattern



Tolerances: J = ±5% K = ±10%
(±5% Tolerance is Standard for Values Above 0.68uH)
*Complete part # must include series # PLUS the dash #

All product specifications and data contained herein are subject to change without notice to improve reliability, function, performance, design or otherwise.

Made In the U.S.A.



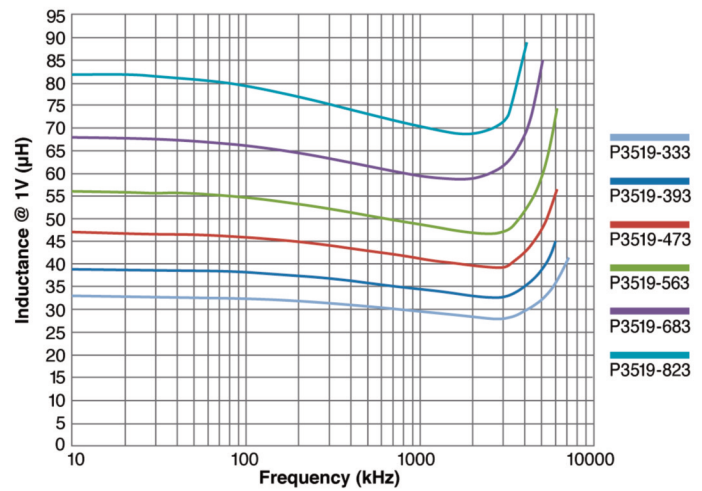
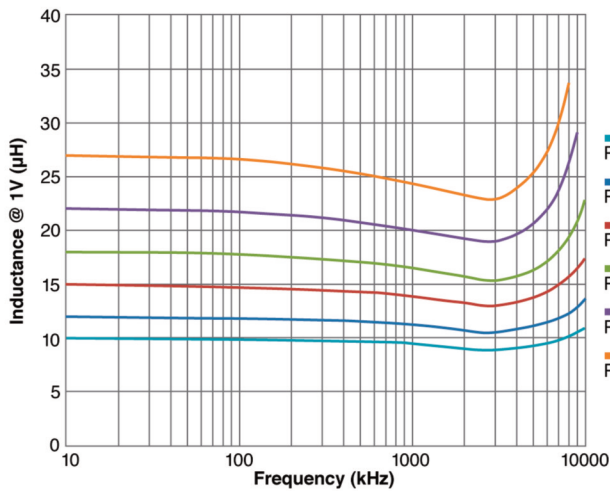
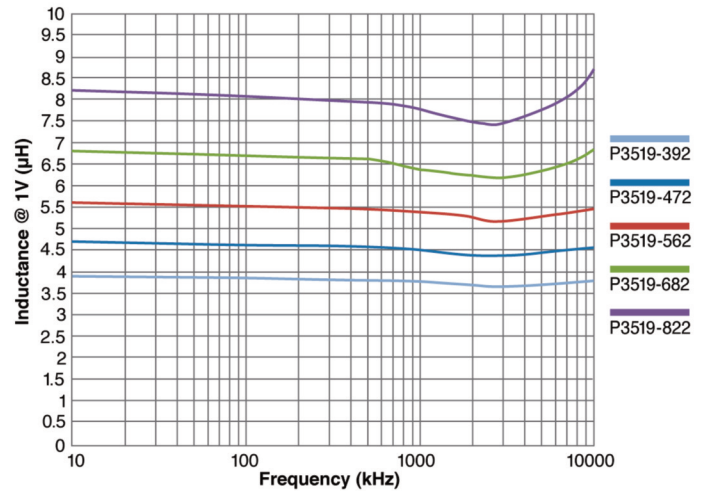
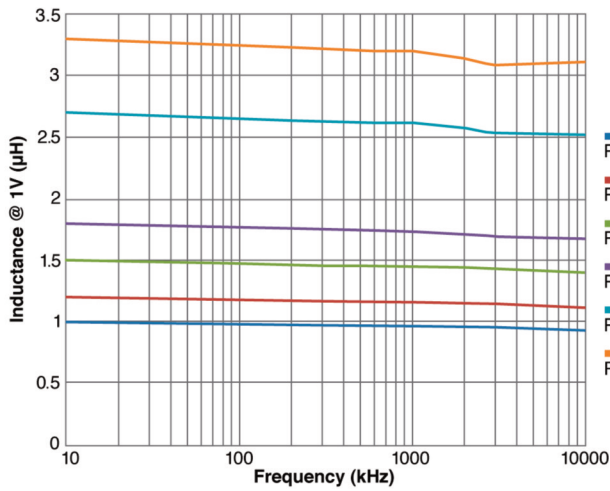
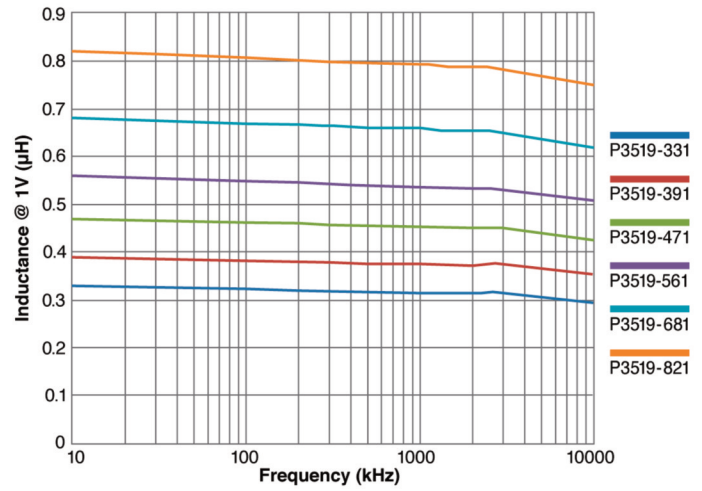
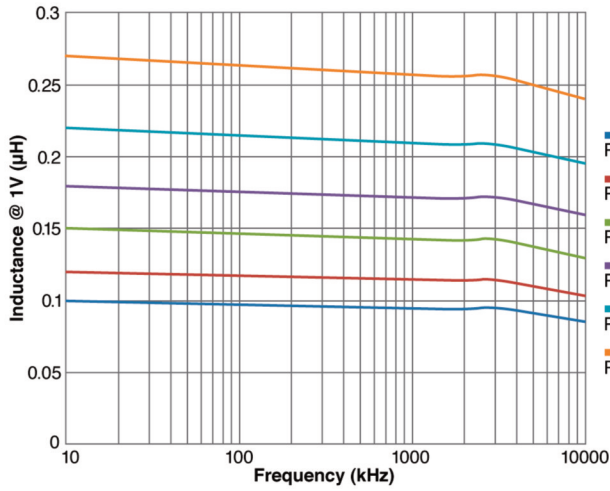
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RoHS
Compliant
Traditional
First Quality

Surface Mount Power Inductors

Inductance vs. Frequency



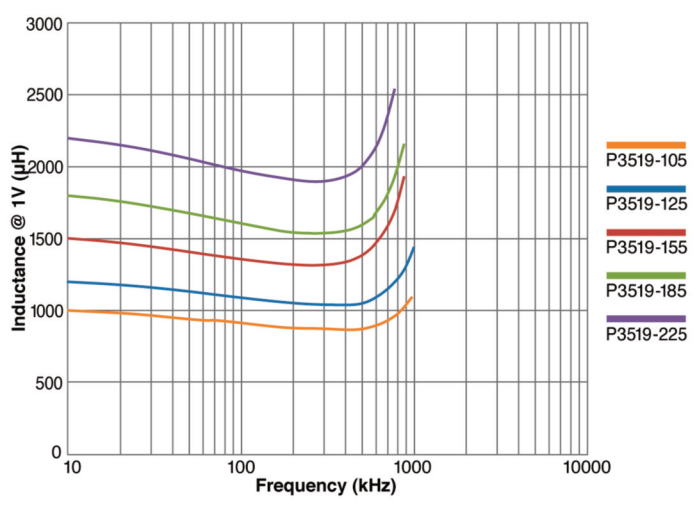
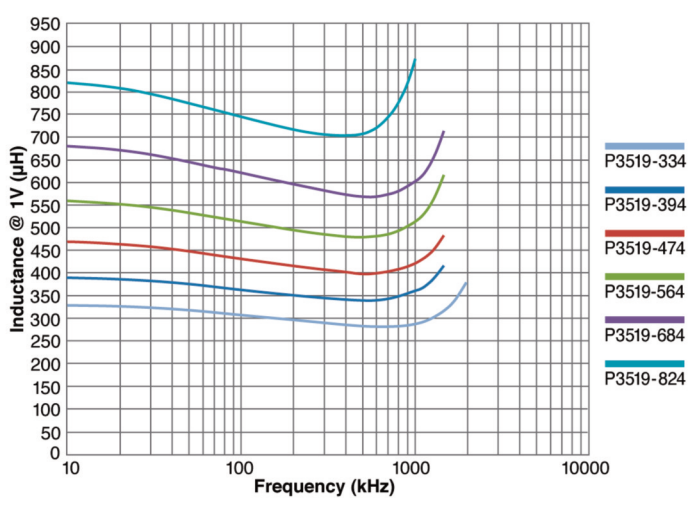
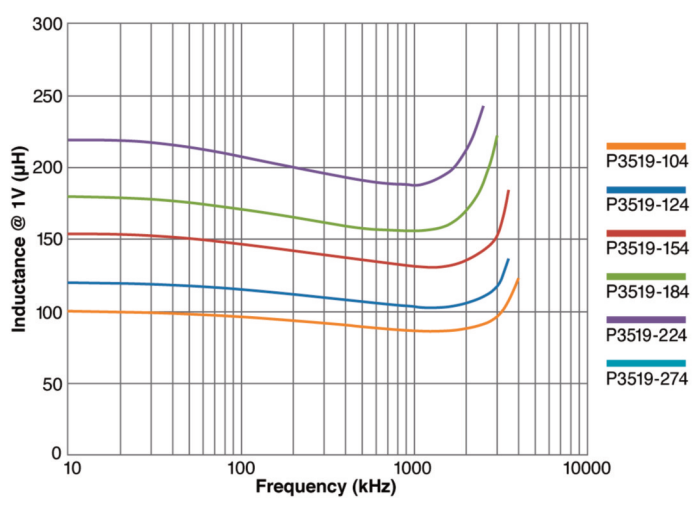
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Inductance vs. Frequency



The above waveforms have been composed from data taken from a Wayne Kerr 3260B Precision Magnetics Analyzer and Hewlett Packard 4191A RF Impedance Analyzer.

