



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

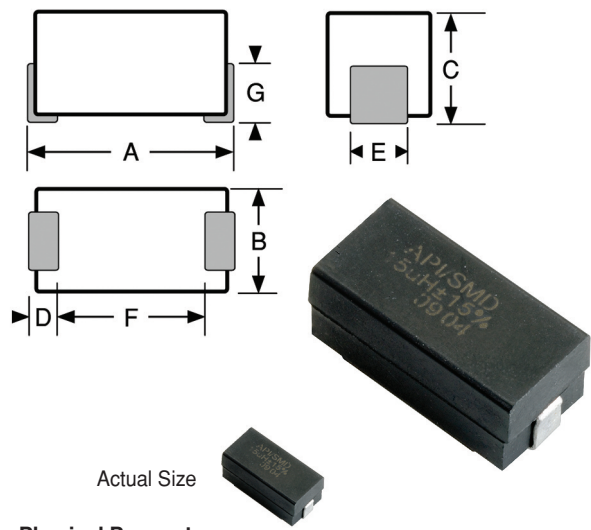
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Shielded Surface Mount Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.095	1.397 to 2.413
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Mechanical Configuration

Units are encapsulated in an epoxy molded surface mount package

Operating Temperature Range

-55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.385 W

Incremental Current Current which causes a max. of 5% change in Inductance

Dielectric Withstanding Voltage 1000V RMS Min.

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: H = 3% and J = 5%. Units are normally supplied to the tolerance indicated in table.

Coupling 3% Max.

Marking API/SMD; S4924; inductance with units and tolerance; date code (YYWWL). Note: An R after S4924 indicates a RoHS component.

Example: S4924-184J
 API/SMD
 S4924
 180uH±5%
 0226B

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
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SERIES S4924 PHENOLIC CORE - IRON SLEEVE							
-101K	0.10	50	25.0	450	0.025	3900	3900
-121K	0.12	50	25.0	425	0.034	3345	3345
-151K	0.15	50	25.0	400	0.037	3195	3195
-181K	0.18	50	25.0	350	0.047	2835	2835
-221K	0.22	49	25.0	325	0.067	2385	2385
-271K	0.27	47	25.0	300	0.11	1855	1855
-331K	0.33	46	25.0	275	0.13	1705	1705
-391K	0.39	44	25.0	250	0.18	1450	1450
-471K	0.47	44	25.0	235	0.25	1235	1235
-561K	0.56	43	25.0	210	0.33	1075	1075
-681K	0.68	42	25.0	190	0.45	915	915
-821K	0.82	40	25.0	180	0.59	800	800
SERIES S4924 IRON CORE - IRON SLEEVE							
-102K	1.00	44	25.0	140	0.07	2320	2320
-122K	1.20	44	7.9	130	0.10	1920	1920
-152K	1.50	44	7.9	115	0.12	1780	1780
-182K	1.80	44	7.9	105	0.14	1650	1650
-222K	2.20	44	7.9	100	0.19	1420	1420
-272K	2.70	44	7.9	92	0.28	1160	1160
-332K	3.30	44	7.9	85	0.35	1045	1045
-392K	3.90	44	7.9	75	0.40	970	970
-472K	4.70	44	7.9	70	0.55	830	830
-562K	5.60	44	7.9	65	0.72	725	725
-682K	6.80	50	7.9	55	1.02	610	610
-822K	8.20	50	7.9	50	1.32	535	535
-103K	10.0	50	7.9	46	1.62	485	485
-123K	12.0	55	2.5	44	2.0	440	440
SERIES S4924 FERRITE CORE - FERRITE SLEEVE							
-153K	15.0	45	2.5	49	0.8	618	300
-183K	18.0	45	2.5	45	0.89	580	250
-223K	22.0	45	2.5	41	0.96	561	210
-273K	27.0	45	2.5	38	1.19	504	195
-333K	33.0	45	2.5	34	1.37	471	160
-393K	39.0	50	2.5	29	1.93	397	150
-473K	47.0	50	2.5	27	2.11	380	135
-563K	56.0	50	2.5	25	2.23	369	124
-683K	68.0	50	2.5	21	2.70	355	122
-823K	82.0	50	2.5	10.5	2.44	342	120
-104K	100.0	50	2.5	10.0	3.12	312	113
-124K	120.0	55	0.79	9.7	3.6	291	98
-154K	150.0	55	0.79	8.5	4.1	272	84
-184K	180.0	55	0.79	8.0	4.4	263	76
-224K	220.0	55	0.79	7.5	5.0	247	67
-274K	270.0	55	0.79	7.0	5.8	228	60
-334K	330.0	55	0.79	6.5	6.4	218	55
-394K	390.0	60	0.79	6.2	7.4	203	46
-474K	470.0	60	0.79	5.7	9.5	178	43
-564K	560.0	60	0.79	4.7	10.5	171	40
-684K	680.0	60	0.79	4.5	11.8	160	38
-824K	820.0	60	0.79	4.2	13.0	152	33
-105K	1000.0	60	0.79	3.8	17.5	134	29
-125K	1200.0	50	0.25	3.0	22.1	120	28
-155K	1500.0	50	0.25	2.8	26.5	115	27
-185K	1800.0	50	0.25	2.6	29.9	110	24
-225K	2200.0	50	0.25	2.4	33.8	104	22
-275K	2700.0	50	0.25	2.2	47.3	88	20
-335K	3300.0	50	0.25	2.0	53.0	85	19
-395K	3900.0	50	0.25	1.9	73.8	72	17
-475K	4700.0	50	0.25	1.7	81.6	68	15
-565K	5600.0	50	0.25	1.6	98.9	61	14
-685K	6800.0	50	0.25	1.4	111.0	59	13
-825K	8200.0	50	0.25	1.2	119.0	57	12
-106K	10000.0	50	0.25	1.0	137.0	54	11
-126K	12000.0	30	0.079	0.80	143.0	50	9
-156K	15000.0	30	0.079	0.60	157.0	48	8
-186K	18000.0	30	0.079	0.55	225.0	46	7
-226K	22000.0	27	0.079	0.50	274.0	37	7
-276K	27000.0	27	0.079	0.40	308.0	35	7

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