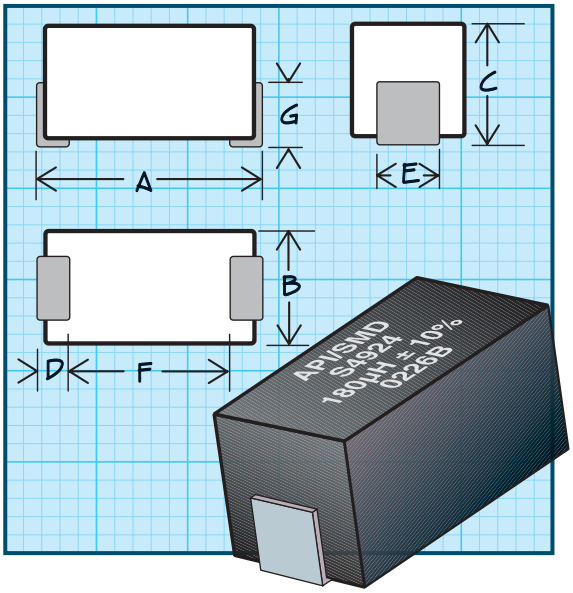
Series S4924

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 nomally supplied to the tolerance indicated in table.

Coupling 3% Max.

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

Made In the U.S.A.

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

Optional Tolerances: J = 5% H = 3%