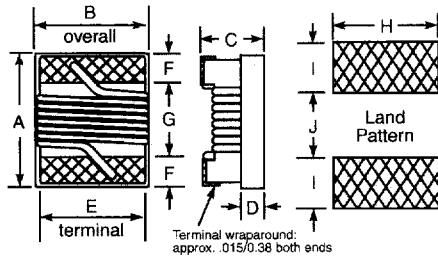


Chip Inductors -1812LS Series (4532)

High inductance in a standard 1812 footprint.

Coilcraft Designer's Kit C114 contains samples of all the standard parts shown.



A	B	C	D	E	F	G	H	I	J
Max	Max	Max	Ref						
.195	.150	.135	.070	.100	.025	.128	.120	.045	.118
4.95	3.81	3.43	1.78	2.54	0.64	3.25	3.05	1.14	3.00

Parts/reel: 7" 600; 13" 2200 Tape width: 12mm
 For packaging data see "Tape and Reel Specifications"
 (Document 173)

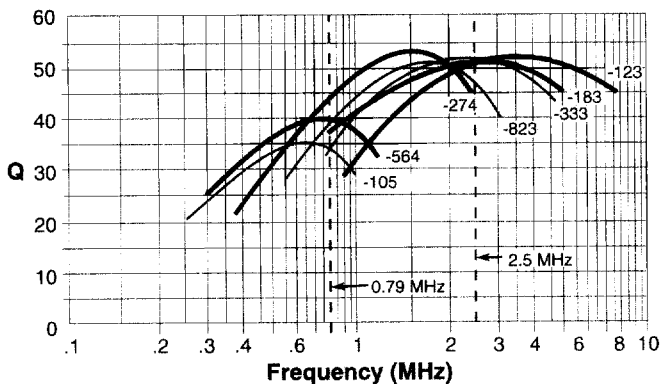
COILCRAFT ACCURATE
PRECISION REPEATABLE
 MEASUREMENTS
TEST FIXTURES
 PAGE 126

Part Number	Inductance ¹ (μH)	Q Min	Test Freq (MHz)	SRF Min (MHz)	R _{DC} Max (Ohms)	I _{DC} Max ² (mA)
1812LS-123 XKBC	12 ± 10%	42	2.5	55	2.0	310
1812LS-153 XKBC	15	42	2.5	45	2.5	290
1812LS-183 XKBC	18	45	2.5	37	2.8	270
1812LS-223 XKBC	22	45	2.5	32	3.2	260
1812LS-273 XKBC	27	45	2.5	27	3.6	240
1812LS-333 XKBC	33	45	2.5	23	4.0	230
1812LS-393 XKBC	39	45	2.5	19	4.5	210
1812LS-473 XKBC	47	42	2.5	16	5.0	200
1812LS-563 XKBC	56	42	2.5	13	5.5	190
1812LS-683 XKBC	68	40	2.5	10	6.0	180
1812LS-823 XKBC	82	40	2.5	9	7.0	170
1812LS-104 XKBC	100	40	2.5	8.5	8.0	150
1812LS-124 XKBC	120	33	0.79	8.5	11.5	135
1812LS-154 XKBC	150	36	0.79	8.5	13.0	125
1812LS-184 XKBC	180	36	0.79	8.0	14.2	120
1812LS-224 XKBC	220	38	0.79	6.0	16.2	115
1812LS-274 XKBC	270	38	0.79	5.0	20.5	105
1812LS-334 XKBC	330	38	0.79	4.5	22.5	100
1812LS-394 XKBC	390	38	0.79	3.5	24.5	90
1812LS-474 XKBC	470	38	0.79	3.0	26.5	85
1812LS-564 XKBC	560	33	0.79	2.0	28.5	75
1812LS-684 XKBC	680	33	0.79	1.9	38.0	60
1812LS-824 XKBC	820	30	0.79	1.6	41.0	55
1812LS-105 XKBC	1000	30	0.79	1.5	44.0	50

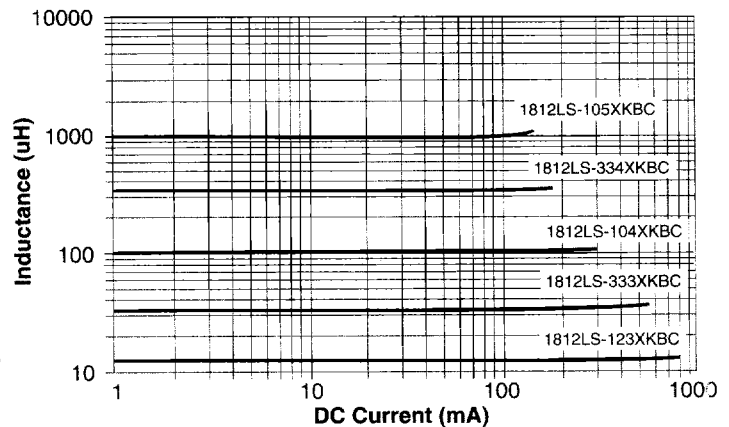
For help ordering non-standard parts, see "Part Numbering" (Document 120).
 For environmental data see "Product Specifications" (Document 121).
 For part marking data see "Color Coding" (Document 174).
 1. Parts can be special ordered with 50% lower tolerance values.
 2. For 15°C rise.
 3. Inductance at 2.5 MHz measured using HP4191A and Coilcraft SMD-A test fixture with Coilcraft-pro-

vided correlation pieces. Inductance at 0.79 MHz measured using HP4192A and Coilcraft SMD-B test fixture with Coilcraft-provided correlation pieces. For recommended test procedures contact Coilcraft.
 4. Q read directly on HP4192A LF impedance analyzer and Coilcraft SMD-B test fixture using Coilcraft supplied correlation pieces.
 5. SRF measured using HP8753B network analyzer and Coilcraft CCF 840-A test fixture.
 6. Operating temperature range -40° C to +85° C.

Q vs FREQUENCY



SATURATING CURRENT



Coilcraft

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