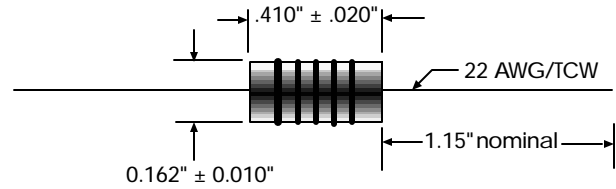
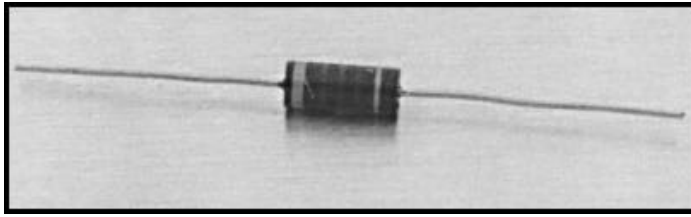


# LS3 Molded Shielded Inductors



These reliable subminiature shielded inductors are especially suited for high-density applications. All feature magnetic shielding, excellent inductance-to-size ratios, low DC resistance and high Q.

**INDUCTANCES** 0.1  $\mu$ H to 1,000  $\mu$ H

**OPERATING TEMPERATURES** -55°C to +105°C. Ambient Temperature: 90°C.

**INDUCTANCE TOLERANCE**  $\pm$ 10% over entire inductance range.

**SHIELDING** Less than 3% coupling, units side by side at 1 kHz.

**INCREMENTAL CURRENT** DC current which will cause reduction of 5% in inductance.

**TESTING** Inductance and Q measured with Q meter HP4342A at specified frequency. DCR measured with Milliohm meter. SRF measured on HP4191A meter.

**MARKING** 5-Band color code.

**PACKAGING** Bulk or Tape and Reel.

PART NUMBER	INDUCTANCE ( $\mu$ H)	Q MINIMUM	TEST FREQUENCY (MHz)	SELF RESONANT FREQUENCY MINIMUM (MHz)	DC RESISTANCE OHMS MAXIMUM ( $\Omega$ )	RATED DC CURRENT MAX (mA)	INCREMENTAL CURRENT (mA)
LS3-R10K	.10	50	25	250	.025	1790	1790
LS3-R12K	.12	51	25	250	.034	1530	1530
LS3-R15K	.15	51	25	250	.037	1470	1470
LS3-R18K	.18	50	25	250	.047	1300	1300
LS3-R22K	.22	49	25	250	.067	1100	1100
LS3-R27K	.27	47	25	250	.110	855	855
LS3-R33K	.33	46	25	250	.130	780	780
LS3-R39K	.39	44	25	250	.180	670	670
LS3-R47K	.47	44	25	235	.250	565	565
LS3-R65K	.56	43	25	210	.330	490	490
LS3-R68K	.68	42	25	190	.450	420	420
LS3-R82K	.82	40	25	180	.590	370	370
LS3-1R0K	1.00	40	25	140	.070	1070	1070
LS3-1R2K	1.20	44	7.9	130	.10	895	895
LS3-1R5K	1.50	44	7.9	115	.12	815	815
LS3-1R8K	1.80	44	7.9	105	.14	775	775
LS3-2R2K	2.20	44	7.9	100	.19	650	650
LS3-2R7K	2.70	44	7.9	92	.28	535	535
LS3-3R3K	3.30	44	7.9	85	.35	480	480
LS3-3R9K	3.90	44	7.9	75	.40	450	450
LS3-4R7K	4.70	44	7.9	70	.55	380	380
LS3-5R6K	5.60	44	7.9	65	.72	335	335
LS3-6R8K	6.80	50	7.9	55	1.02	280	280
LS3-8R2K	8.20	50	7.9	50	1.32	250	250
LS3-100K	10	50	7.9	46	1.62	220	220
LS3-120K	12	55	2.5	44	2.00	200	200
LS3-150K	15	45	2.5	49	0.80	315	250
LS3-180K	18	45	2.5	45	0.89	300	235
LS3-220K	22	45	2.5	41	0.96	290	220
LS3-270K	27	45	2.5	38	1.19	260	200
LS3-330K	33	45	2.5	34	1.37	240	190
LS3-390K	39	50	2.5	29	1.93	205	180
LS3-470K	47	50	2.5	27	2.11	195	175
LS3-560K	56	40	2.5	25	2.23	190	160
LS3-680K	68	50	2.5	21	2.70	170	150
LS3-820K	82	50	2.5	10.5	2.44	180	140
LS3-101K	100	50	2.5	10.0	3.12	160	120
LS3-121K	120	55	.79	9.7	3.60	150	95
LS3-151K	150	55	.79	8.5	4.10	140	90
LS3-181K	180	55	.79	8.0	4.40	135	85
LS3-221K	220	55	.79	7.5	5.00	125	80
LS3-271K	270	55	.79	7.0	5.80	115	70
LS3-331K	330	55	.79	6.5	6.40	110	65
LS3-391K	390	60	.79	6.2	7.40	105	60
LS3-471K	470	60	.79	5.7	9.50	92	58
LS3-561K	560	60	.79	4.7	10.50	90	55
LS3-681K	680	60	.79	4.5	11.80	80	50
LS3-821K	820	57	.79	4.2	13.00	80	45
LS3-102K	1000	65	.79	3.8	17.50	70	40