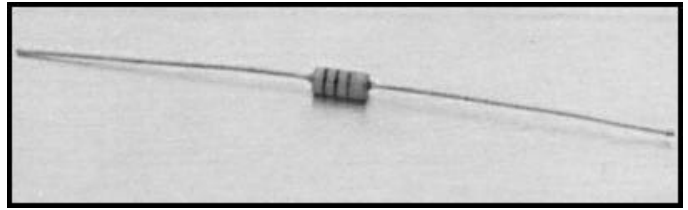
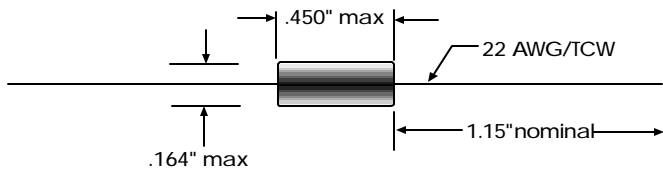
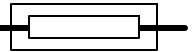


Subminiature Shielded Inductors LS4



Reliable subminiature shielded inductors for your high-density applications. A convenient package without a sacrifice in electrical quality.

INDUCTANCES 0.1 μ H to 1,000 μ H

CASE SIZE .008 cubic inches

POWER RATING 0.33 watts at 90°C ambient temperature and rated current.

CURRENT RATING Based on temperature rise not to exceed 35°C at 90°C ambient temperature. Overload: Not to exceed 1.5X rated current.

INCREMENTAL CURRENT DC current required to cause a maximum reduction of 5% in inductance for nominal value of inductance measured with zero DC current.

INDUCTANCE TOLERANCE \pm 10% over entire inductance range.

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

OPERATING TEMPERATURE - 55°C to +125°C.

WEIGHT 0.07 grams.

TESTING Inductances from .10 μ H to 22 μ H measured with HP4342A Q meter at specified frequency per MIL-C-15305; inductances from 27 μ H to 1,000 μ H measured on 1 kHz LCR Bridge.

MARKING 5-Band Color Code

PACKAGING Bulk or Tape and Reel special order.

Additional inductances and other tolerances available by special order.

PART NUMBER	INDUCTANCE (μ H)	Q MINIMUM	Q TEST FREQUENCY (MHz)	SELF RESONANT FREQUENCY MINIMUM (MHz)	DC RESISTANCE OHMS MAXIMUM (Ω)	RATED DC CURRENT MAX (mA)	INCREMENTAL CURRENT (mA)
LS4-R10K	.10	50	25	400	.026	3000	3000
LS4-R12K	.12	50	25	400	.029	2860	2860
LS4-R15K	.15	50	25	400	.034	2600	2600
LS4-R18K	.18	50	25	400	.044	2300	2300
LS4-R22K	.22	50	25	400	.056	2050	2050
LS4-R27K	.27	50	25	400	.090	1625	1625
LS4-R33K	.33	47	25	325	.122	1400	1400
LS4-R39K	.39	47	25	390	.161	1220	1220
LS4-R47K	.47	47	25	264	.218	1060	1060
LS4-R56K	.56	45	25	249	.290	900	900
LS4-R68K	.68	43	25	221	.382	790	790
LS4-R82K	.82	41	25	200	.450	725	725
LS4-1R0K	1.0	42	25	156	.054	2080	2080
LS4-1R2K	1.2	43	7.9	144	.070	1840	1840
LS4-1R5K	1.5	41	7.9	128	.096	1560	1560
LS4-1R8K	1.8	42	7.9	121	.107	1480	1480
LS4-2R2K	2.2	42	7.9	108	.142	1290	1290
LS4-2R7K	2.7	41	7.9	96	.184	1130	1130
LS4-3R3K	3.3	41	7.9	88	.260	950	950
LS4-3R9K	3.9	41	7.9	84	.354	815	815
LS4-4R7K	4.7	42	7.9	72	.468	710	710
LS4-5R6K	5.6	42	7.9	69	.511	680	680
LS4-6R8K	6.8	42	7.9	62	.750	560	560
LS4-8R2K	8.2	46	7.9	58	.828	535	535
LS4-100K	10	46	7.9	53	1.270	432	432
LS4-120K	12	50	2.5	47	1.760	368	368
LS4-150K	15	50	2.5	41	2.300	325	325
LS4-180K	18	50	2.5	43	.667	596	235
LS4-220K	22	50	2.5	38	.742	565	220
LS4-270K	27	50	2.5	36	.850	526	200
LS4-330K	33	50	2.5	33	.928	505	190
LS4-390K	39	50	2.5	29.4	1.280	429	180
LS4-470K	47	55	2.5	26.5	1.480	400	175
LS4-560K	56	55	2.5	25	1.640	380	160
LS4-680K	68	55	2.5	23	2.200	328	150
LS4-820K	82	55	2.5	14	1.960	349	140
LS4-101K	100	65	2.5	12	2.280	322	120
LS4-121K	120	65	.79	11.2	2.450	311	95
LS4-151K	150	65	.79	10.5	2.790	294	90
LS4-181K	180	65	.79	10	3.080	277	85
LS4-221K	220	65	.79	9.4	3.480	251	80
LS4-271K	270	65	.79	8.0	4.550	231	70
LS4-331K	330	65	.79	7.3	5.100	215	65
LS4-391K	390	65	.79	6.9	5.620	205	60
LS4-471K	470	70	.79	6.5	6.450	192	58
LS4-561K	560	70	.79	6.0	8.000	174	55
LS4-681K	680	75	.79	5.6	8.850	163	50
LS4-821K	820	70	.79	4.8	10.400	151	45
LS4-102K	1000	65	.79	4.5	12.100	139	40