



Notes for LS1B subminiature shielded inductor:
 Current rating: Based on the inductance change within 10% of the initial value.
 Inductance Tolerance: K = ± 10% over the entire inductance range.
 J = ± 5% available by special order.
 Shielding: 5% coupling maximum with 2 units side-by-side at 1 KHz.
 Packaging: Bulk or Tape & Reel, Reel Size = 5000 pieces.

Operating Temperature Range: - 55°C ~ + 125°C.
 Testing: Inductance and Q measured with HP4342A meter at specified frequency. DCR measured with milliohm meter. SRF measured on HP4191A meter.
 Marking: EIA 5-band color code.
 Magnetically-shielded construction.
 Manufactured to RoHS Compliance.

PART NUMBER	INDUCTANCE [μH, ± 10%]	Q MINIMUM	TEST FREQUENCY [MHz]	SELF-RESONANT FREQUENCY MINIMUM [MHz]	DC RESISTANCE OHMS MAXIMUM []	RATED DC CURRENT MAX [mA]
LS1B-R10K	.10	39	25	400	.071	1580
LS1B-R12K	.12	36	25	400	.087	1360
LS1B-R15K	.15	35	25	400	.109	1280
LS1B-R18K	.18	33	25	400	.145	1110
LS1B-R22K	.22	35	25	400	.165	1040
LS1B-R27K	.27	33	25	400	.192	965
LS1B-R33K	.33	33	25	370	.228	885
LS1B-R39K	.39	32	25	348	.259	830
LS1B-R47K	.47	33	25	312	.348	717
LS1B-R56K	.56	30	25	286	.417	655
LS1B-R68K	.68	30	25	262	.580	555
LS1B-R82K	.82	33	25	188	.132	1160
LS1B-1R0K	1.0	35	25	166	.169	1030
LS1B-1R2K	1.2	29	7.9	149	.184	985
LS1B-1R5K	1.5	29	7.9	136	.260	825
LS1B-1R8K	1.8	29	7.9	118	.360	705
LS1B-2R2K	2.2	28	7.9	110	.410	664
LS1B-2R7K	2.7	32	7.9	94	.550	577
LS1B-3R3K	3.3	32	7.9	86	.620	540
LS1B-3R9K	3.9	38	7.9	85	.790	475
LS1B-4R7K	4.7	38	7.9	79	.910	445
LS1B-5R6K	5.6	40	7.9	72	1.15	395
LS1B-6R8K	6.8	46	7.9	65	1.73	320
LS1B-8R2K	8.2	45	7.9	59	1.96	302
LS1B-100K	10	45	7.9	53	2.30	280
LS1B-120K	12	40	2.5	60	0.55	570
LS1B-150K	15	45	2.5	53	0.71	500
LS1B-180K	18	45	2.5	45.8	1.00	423
LS1B-220K	22	45	2.5	42.2	1.09	404
LS1B-270K	27	48	2.5	31.0	1.35	364
LS1B-330K	33	54	2.5	26.0	1.90	305
LS1B-390K	39	54	2.5	24.2	2.10	293
LS1B-470K	47	54	2.5	22.0	2.40	271
LS1B-560K	56	60	2.5	21.2	2.90	248
LS1B-680K	68	55	2.5	19.9	3.20	237
LS1B-820K	82	57	2.5	16.8	3.70	219
LS1B-101K	100	60	2.5	13.2	4.60	198
LS1B-121K	120	58	2.5	11.0	5.20	184
LS1B-151K	150	60	.79	9.1	5.90	173
LS1B-181K	180	60	.79	7.4	7.40	156
LS1B-221K	220	60	.79	7.2	8.50	145
LS1B-271K	270	60	.79	6.8	10.0	133
LS1B-331K	330	60	.79	5.5	13.4	115
LS1B-391K	390	60	.79	5.1	15.0	109
LS1B-471K	470	60	.79	5.0	21.0	92
LS1B-561K	560	60	.79	4.9	23.0	88
LS1B-681K	680	60	.79	4.6	26.0	82
LS1B-821K	820	60	.79	4.2	34.0	72
LS1B-102K	1000	60	.79	4.0	39.0	67