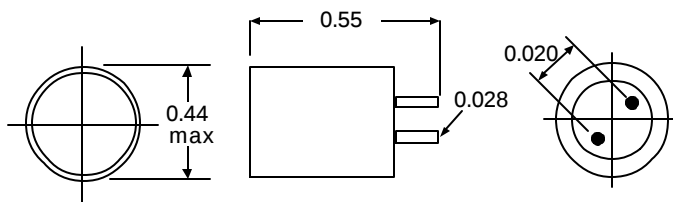
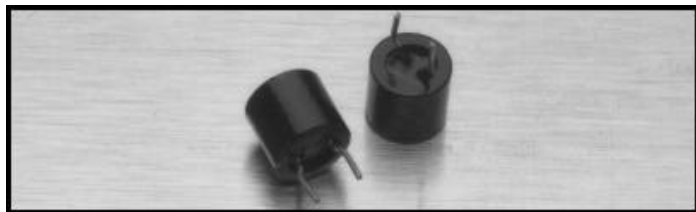


RLS181 Shielded Inductor



CONSTRUCTION Epoxy encapsulated, tinned copper wire leads, ferrite shield.

TESTING Inductance measured on LCR bridge. DCR measured with Milliohm meter.

MARKING Value.

PACKAGING Bulk or Tape and Reel.

INDUCTANCES 1.0 mH to 120 mH

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

DIELECTRIC WITHSTANDING VOLTAGE 1000V/ms

OPERATING TEMPERATURE RANGE -55°C to +105°C.

Notes:

- (1) L measured on HP4342A or equivalent.
- (2) Q measured on HP4342A Q meter or equivalent.
- (3) Rated Current based on 10% decrease in initial inductance.
- (4) SRF for reference only.
- (5) Add tolerance code to part number: J= $\pm 5\%$, K= $\pm 10\%$.

PART NUMBER	INDUCTANCE (mH) (1)	Q MINIMUM (2)	TEST FREQUENCY (MHZ)	DC RESISTANCE OHMS MAX (w)	I RATED (3) MAX (mA)	I RATED (6) MAX (mA)	SELF RESONANT FREQUENCY MINIMUM (MHZ) (4)
RLS181-102	1.0	70	.25	3.40	90	138	0.80
RLS181-122	1.2	70	.25	3.70	75	130	0.80
RLS181-152	1.5	70	.25	4.00	70	123	0.80
RLS181-182	1.8	70	.25	4.50	65	115	0.80
RLS181-222	2.2	70	.25	5.20	60	107	0.75
RLS181-272	2.7	70	.25	5.80	55	100	0.75
RLS181-332	3.3	100	.25	6.10	50	94	0.70
RLS181-392	3.9	100	.25	7.20	45	89	0.65
RLS181-472	4.7	100	.25	7.50	40	84	0.60
RLS181-562	5.6	100	.25	8.40	40	78	0.55
RLS181-682	6.8	100	.25	9.70	35	98	0.50
RLS181-822	8.2	100	.25	10.40	30	93	0.45
RLS181-103	10.0	100	.079	12.10	25	86	0.40
RLS181-123	12.0	100	.079	13.00	25	79	0.35
RLS181-153	15.0	100	.079	15.00	20	74	0.35
RLS181-183	18.0	100	.079	17.00	22	69	0.30
RLS181-223	22.0	100	.079	19.50	21	56	0.30
RLS181-273	27.0	100	.079	22.00	18	52	0.25
RLS181-333	33.0	100	.079	26.00	17	45	0.25
RLS181-383	36.0	100	.079	27.00	16	45	0.20
RLS181-393	39.0	100	.079	45.00	15	42	0.20
RLS181-473	47.0	100	.079	52.00	13	39	0.20
RLS181-563	56.0	100	.079	58.00	12	37	0.20
RLS181-683	68.0	100	.079	67.00	11	31	0.17
RLS181-823	82.0	100	.079	71.00	10	29	0.15
RLS181-104	100.0	100	.025	82.00	9	25	0.14
RLS181-124	120.0	100	.025	97.00	8	21	0.12