

# MOLDED INDUCTORS

## P SERIES



### DIMENSIONS

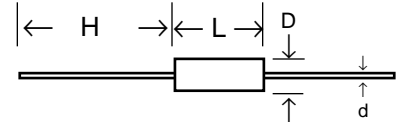
RCD Type	D±.010[.25]	L±.020[.5]	d±.002[.05]
P0206	.095[2.42]	.250[6.35]	.020[.5]
P0410	.155[3.94]	.375[9.53]	.025[.6]

### FEATURES

- Precision performance per MIL-C-15305!
- Molded construction provides superior environmental protection
- Delivery from stock**  
(E12 values 0.1µH to 10µH)
- Available to ±3% on special order
- Tape & Reel packaging available
- Marking is color banded or alpha numeric

### SPECIFICATIONS

Temperature Range	-55°C to +125°C
Insulation Resistance	1000 MΩ Min.
Dielectric Strength	1000 VAC Min.
Solderability	Per MIL-STD-202, M208
Moisture Resistance	Per MIL-STD-202, M106
Temp. Coef. of Inductance	+50 to +500 ppm/°C Typ.



### TYPE P0206 (Consult factory for non-standard values.)

Induc. (µH)	Std. Tol.	MIL Std.*	Type Desig.	Q (Min.)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (ohm)	Rated Current (mA)
MS75083 LT4K								
0.10	10%	-01	339	40	25	680	.08	1350
0.12	10%	-02	340	40	25	640	.09	1270
0.15	10%	-03	341	38	25	600	.10	1200
0.18	10%	-04	342	35	25	550	.12	1105
0.22	10%	-05	343	33	25	510	.14	1025
0.27	10%	-06	344	33	25	430	.16	960
0.33	10%	-07	345	30	25	410	.22	815
0.39	10%	-08	346	30	25	365	.30	700
0.47	10%	-09	347	30	25	330	.35	650
0.56	10%	-10	348	30	25	300	.50	545
0.68	10%	-11	349	28	25	275	.60	495
0.82	10%	-12	350	28	25	250	.85	415
1.00	10%	-13	351	25	25	230	1.00	385
MS75084 LT10K								
1.2	10%	-01	061	25	7.9	150	.18	590
1.5	10%	-02	062	28	7.9	140	.22	535
1.8	10%	-03	063	30	7.9	125	.30	455
2.2	10%	-04	064	30	7.9	115	.40	395
2.7	10%	-05	065	37	7.9	100	.55	355
3.3	10%	-06	066	45	7.9	90	.85	270
3.9	10%	-07	067	45	7.9	80	1.00	250
4.7	10%	-08	068	45	7.9	75	1.20	230
5.6	10%	-09	069	50	7.9	65	1.80	185
6.8	10%	-10	070	50	7.9	60	2.00	175
8.2	10%	-11	071	55	7.9	55	2.70	155
10	10%	-12	072	55	7.9	50	3.70	130
12	10%	-13	073	45	2.5	40	2.70	155
15	10%	-14	074	40	2.5	35	2.80	150
18	10%	-15	075	50	2.5	30	3.10	145
22	10%	-16	076	50	2.5	25	3.30	140
27	10%	-17	077	50	2.5	20	3.50	135
MS75085 LT10K								
33	10%	-01	078	45	2.5	24	3.4	130
39	10%	-02	079	45	2.5	22	3.6	125
47	10%	-03	080	45	2.5	20	4.5	110
56	10%	-04	081	45	2.5	18	5.7	100
68	10%	-05	082	50	2.5	15	6.7	92
82	10%	-06	083	50	2.5	14	7.3	88
100	10%	-07	084	50	2.5	13	8	84
120	10%	-08	085	30	.79	12	13	66
150	10%	-09	086	30	.79	11	15	61
180	10%	-10	087	30	.79	10	17	57
220	10%	-11	088	30	.79	9	21	52
270	10%	-12	089	30	.79	8	25	47
330	10%	-13	090	30	.79	7	28	45
390	10%	-14	091	30	.79	6.5	35	40
470	10%	-15	092	30	.79	6	42	36
560	10%	-16	093	30	.79	5	46	35
680	10%	-17	094	30	.79	4	60	30
820	10%	-18	095	30	.79	3.8	65	29
1000	10%	-19	096	30	.79	3.4	72	28

\* MIL part numbers are given for reference only and do not imply qualification.

### TYPE P0410 (Consult factory for non-standard values.)

Induc. (µH)	Std. Tol.	MIL Std.*	Type Desig.	Q (Min.)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (ohm)	Rated Current (mA)
MS18130 LT4K								
.15	20%	-1	074	50	25.0	525	.03	2450
.22	20%	-2	075	50	25.0	450	.055	1810
.33	20%	-3	076	45	25.0	360	.09	1400
.47	20%	-4	077	45	25.0	310	.12	1225
.56	10%	-5	078	50	25.0	280	.135	1150
.68	10%	-6	079	50	25.0	250	.15	1100
.82	10%	-7	080	50	25.0	220	.22	900
1.0	10%	-8	081	50	25.0	200	.29	785
1.2	10%	-9	082	33	7.9	180	.42	650
1.5	10%	-10	083	33	7.9	160	.50	600
1.8	10%	-11	084	33	7.9	150	.65	525
2.2	10%	-12	085	33	7.9	135	.95	435
2.7	10%	-13	086	33	7.9	120	1.20	385
3.3	10%	-14	087	33	7.9	110	2.00	300
3.9	10%	-15	088	33	7.9	100	2.30	280
4.7	10%	-16	089	33	7.9	90	2.60	260
MS14046 LT10K								
5.6	10%	-1	128	45	7.9	60	.32	495
6.8	10%	-2	129	50	7.9	55	.50	395
8.2	10%	-3	130	50	7.9	50	.60	360
10	10%	-4	131	55	7.9	45	.90	290
12	10%	-5	132	65	2.5	42	1.10	265
15	10%	-6	133	65	2.5	40	1.40	240
18	10%	-7	134	75	2.5	34	2.25	185
22	10%	-8	135	75	2.5	30	2.50	175
27	10%	-9	136	60	2.5	25	2.60	170
33	10%	-10	137	65	2.5	19	3.00	165
MS90538 LT10K								
36	5%	-1	001	60	2.5	15.5	2.50	180
39	5%	-2	002	60	2.5	14.5	2.60	176
43	5%	-3	003	60	2.5	13.7	2.70	172
47	5%	-4	004	55	2.5	13.0	2.75	170
51	5%	-5	005	55	2.5	12.7	2.85	167
56	5%	-6	006	55	2.5	12.0	3.00	164
62	5%	-7	007	55	2.5	11.5	3.15	160
68	5%	-8	008	55	2.5	11.0	3.30	156
75	5%	-9	009	55	2.5	10.5	3.70	147
82	5%	-10	010	50	2.5	10.3	3.90	143
91	5%	-11	011	50	2.5	10.0	4.30	136
100	5%	-12	012	50	2.5	9.5	4.50	133
110	5%	-13	013	60	.79	8.9	4.90	128
120	5%	-14	014	65	.79	8.7	5.20	124
130	5%	-15	015	65	.79	8.5	5.45	121
150	5%	-16	016	65	.79	8.0	6.05	114
160	5%	-17	017	65	.79	7.5	6.40	111
180	5%	-18	018	65	.79	7.0	6.75	108
200	5%	-19	019	65	.79	6.5	7.10	106
220	5%	-20	020	65	.79	6.2	7.45	103
240	5%	-21	021	65	.79	5.9	7.80	101
270	5%	-	-	65	.79	2.8	11.0	145
300	5%	-	-	65	.79	2.7	11.5	140
330	5%	-	-	65	.79	2.6	12.0	137
360	5%	-	-	65	.79	2.5	15.5	135
390	5%	-	-	65	.79	2.4	16.3	133
430	5%	-	-	65	.79	2.3	17.1	130
470	5%	-	-	60	.79	2.2	17.9	126
510	5%	-	-	60	.79	2.2	18.8	123
560	5%	-	-	60	.79	2.1	24.7	120
620	5%	-	-	60	.79	2.0	25.9	116
680	5%	-	-	55	.79	1.9	27.2	113
750	5%	-	-	55	.79	1.9	28.6	110
820	5%	-	-	55	.79	1.8	30.0	105
910	5%	-	-	50	.79	1.8	31.5	102
1000	5%	-	-	50	.79	1.7	33.1	100

### P/N DESIGNATION:

