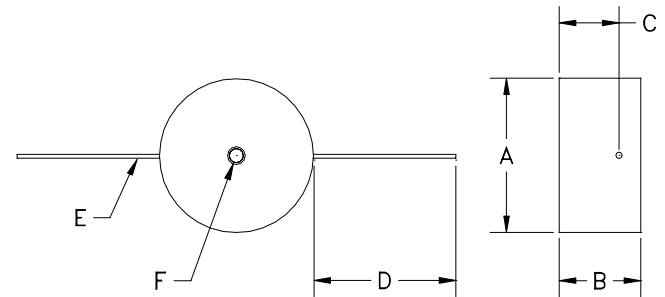


ELECTRICAL SPECIFICATIONS

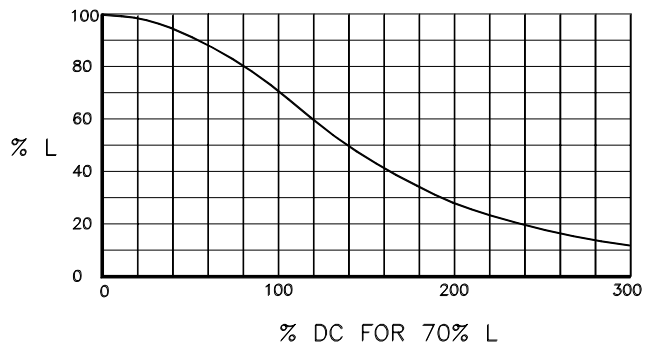
PART NUMBER	$L_o \pm 15\%$ MILLI-H	DCR $\pm 20\%$ OHMS	DC AMPS for 70% L	MAX DC AMPS for 50°C RISE	SELF RES. FREQ. - kHz
ED50HL18	.10	.019	3.2	7.7	>1000
ED50HL19	.16	.031	2.5	6.0	>1000
ED50HL20	.25	.049	2.0	4.8	>1000
ED50HL21	.40	.078	1.6	3.8	>1000
ED50HL22	.63	.12	1.3	3.1	800
ED50HL23	1.0	.19	1.0	2.4	600
ED50HL24	1.6	.31	.80	1.9	400
ED50HL25	2.5	.49	.63	1.5	300
ED50HL26	4.0	.78	.50	1.2	200
ED50HL27	6.3	1.2	.40	.96	160
ED50HL28	10	1.9	.32	.77	150
ED50HL29	16	3.1	.25	.60	120
ED50HL30	25	4.9	.20	.48	95
ED50HL31	40	7.8	.16	.38	73
ED50HL32	63	12	.13	.31	58
ED50HL33	100	19	.10	.24	45
ED50HL34	160	31	.080	.19	35
ED50HL35	250	49	.063	.15	28
ED50HL36	400	78	.050	.12	22
ED50HL37	630	120	.040	.096	17
ED50HL38	1000	190	.032	.077	13
ED58HL16	.10	.013	6.0	14	>1000
ED58HL17	.16	.021	4.8	11	>1000
ED58HL18	.25	.032	3.8	8.9	>1000
ED58HL19	.40	.052	3.1	7.3	>1000
ED58HL20	.63	.080	2.4	5.6	770
ED58HL21	1.0	.13	1.9	4.5	550
ED58HL22	1.6	.21	1.5	3.5	400
ED58HL23	2.5	.32	1.2	2.8	290
ED58HL24	4.0	.52	1.0	2.4	210
ED58HL25	6.3	.80	.75	1.8	150
ED58HL26	10	1.3	.60	1.4	120
ED58HL27	16	2.1	.48	1.1	90
ED58HL28	25	3.2	.38	.89	70
ED58HL29	40	5.2	.31	.73	50
ED58HL30	63	8.0	.24	.56	40
ED58HL31	100	13	.19	.45	32
ED58HL32	160	21	.15	.35	25
ED58HL33	250	32	.12	.28	19
ED58HL34	400	52	.10	.24	15
ED58HL35	630	80	.075	.18	11
ED58HL36	1000	130	.060	.14	10
ED78HL12	.10	.0061	7.0	18	>1000
ED78HL13	.16	.010	5.6	14	>1000
ED78HL14	.25	.015	4.4	11	>1000
ED78HL15	.40	.024	3.5	8.8	750
ED78HL16	.63	.039	2.8	7.0	580
ED78HL17	1.0	.061	2.2	5.5	430
ED78HL18	1.6	.10	1.8	4.5	330
ED78HL19	2.5	.15	1.4	3.5	250
ED78HL20	4.0	.24	1.1	2.8	190
ED78HL21	6.3	.39	.89	2.2	140
ED78HL22	10	.61	.70	1.8	120
ED78HL23	16	1.0	.56	1.4	90
ED78HL24	25	1.5	.44	1.1	70
ED78HL25	40	2.4	.35	.88	60
ED78HL26	63	3.9	.28	.70	45
ED78HL27	100	6.1	.22	.55	35
ED78HL28	160	10	.18	.45	28
ED78HL29	250	15	.14	.35	22
ED78HL30	400	24	.11	.28	17
ED78HL31	630	39	.089	.22	14
ED78HL32	1000	61	.070	.18	11
ED95HL10	.10	.0042	10	29	>1000
ED95HL11	.16	.0065	8.2	24	>1000
ED95HL12	.25	.011	6.5	19	>1000
ED95HL13	.40	.017	5.2	15	700
ED95HL14	.63	.026	4.1	12	500
ED95HL15	1.0	.042	3.3	9.5	370
ED95HL16	1.6	.065	2.6	7.5	260
ED95HL17	2.5	.11	2.1	6.0	190
ED95HL18	4.0	.17	1.6	4.6	130
ED95HL19	6.3	.26	1.3	3.7	75
ED95HL20	10	.42	1.0	2.9	60
ED95HL21	16	.65	.82	2.4	45
ED95HL22	25	1.1	.65	1.9	40
ED95HL23	40	1.7	.52	1.5	30
ED95HL24	63	2.6	.41	1.2	27
ED95HL25	100	4.2	.33	.95	25
ED95HL26	160	6.5	.26	.75	18
ED95HL27	250	11	.21	.60	15
ED95HL28	400	17	.16	.46	13
ED95HL29	630	26	.13	.37	10
ED95HL30	1000	42	.10	.29	8

MECHANICAL SPECIFICATIONS

SIZE	A MAX	B MAX	C $\pm .03$	D MIN	E $\pm .01$	F INSERT	WT. (g)
ED50	1.12	.68	.47	1.06	.064	#4-40	33
ED58	1.40	.89	.67	1.27	.064	#6-32	75
ED78	1.80	1.10	.85	1.48	.064	#8-32	125
ED95	2.20	1.40	1.06	1.74	.081	#8-32	240



INDUCTANCE WITH DC



NOTES

- Initial inductance (L_o) is measured at 1 KHz.
- DC Amps maximum rating is DC and RMS AC combined for a 50°C rise at an ambient of 20°C and with no heat sink.
- Designed to meet MIL-PRF-27 Grade 5, Class S (130°C).
- Self-Resonant Frequency is typical and for reference only.
- Dielectric Withstanding Voltage (winding-to-insert) is 1500 VRMS, 60 Hz.
- For very low values of L & DCR, measure adjacent to case.
- All mechanical measurements are in inches.
- Pins are tinned copper.

	INIT.	DATE	CAGE 09349	MAGNETIC CIRCUIT ELEMENTS INC.			
PROD.	<i>MAP</i>	11-2-06		TOROIDAL CHOKES - MOLYPERMALLOY POWDER			
ENG.	<i>JC</i>	11-2-06					
Q.A.	<i>B.T.</i>	11-2-06	TEST CONDITION 20° ± 5° C	DECIMALS .XX = ± .03 .XXX = ± .010	VOLTS ±5%	FREQUENCY ±5%	SIZE A
REV.	B	11-2-06					DWG. NO. EDHL