ELECTRICAL SPECIFICATIONS

MCE FL P/N	L - ±25% HENRIES	E-RMS, 60Hz VOLTS	I - DC mAMPS	R - ±20% OHMS	L - MIN HENRIES	MCE NL P/N
62FL16	.0023	1.40	5170	.059	.0035	62NL16
62FL17	.0036	1.75	4100	.093	.0056	62NL17
62FL18	.0058	2.20	3250	.14	.0087	62NL18
62FL19	.0091	2.75	2580	.22	.014	62NL19
62FL20	.015	3.50	2040	.35	.022	62NL20
62FL21	.023	4.40	1620	.56	.035	62NL21
62FL22	.036	5.5	1280	.89	.056	62NL22
62FL23	.058	7.0	1020	1.4	.088	62NL23
62FL24	.091	9.0	808	2.2	.14	62NL24
62FL25	.15	11.0	641	3.6	.22	62NL25
62FL26	.23	14.0	508	5.7	.36	62NL26
62FL27	.36	17.5	403	8.9	.57	62NL27
62FL28	.58	22.5	320	14	.90	62NL28
62FL29	.91	28.0	253	22	1.4	62NL29
62FL30	1.5	35.5	201	36	2.3	62NL30
62FL31	2.3	45	159	59	3.6	62NL31
62FL32	3.6	55	126	90	5.7	62NL32
62FL33	5.8	70	100	150	9.2	62NL33
62FL34	9.1	90	80	240	15	62NL34
62FL35	15	115	63	360	23	62NL35
75FL15	.0029	2.25	6510	.066	.0041	75NL15
75FL16	.0047	2.85	5170	.10	.0064	75NL16
75FL17	.0076	3.60	4100	.16	.010	75NL17
75FL18	.012	4.55	3250	.25	.016	75NL18
75FL19	.019	5.5	2580	.39	.026	75NL19
75FL20	.030	7.0	2040	.62	.041	75NL20
75FL21	.048	9.0	1620	1.0	.065	75NL21
75FL22	.076	11.5	1280	1.5	.10	75NL22
75FL23	.12	14.5	1020	2.5	.16	75NL23
75FL24	.19	18.0	808	4.0	.26	75NL24
75FL25	.30	23.0	641	6.2	.42	75NL25
75FL26	.48	29.0	508	9.9	.66	75NL26
75FL27	.76	36.5	403	16	1.1	75NL27
75FL28	1.2	46.0	320	25	1.7	75NL28
75FL29	1.9	60	253	39	2.7	75NL29
75FL30	3.0	75	201	64	4.2	75NL30
75FL31	4.8	90	159	100	6.7	75NL31
75FL32	7.6	115	126	160	11	75NL32
75FL33	12	145	100	260	17	75NL33
75FL34	19	185	80	420	27	75NL34
87FL15	.0073	5.1	6510	.12	.010	87NL15
87FL16	.012	6.4	5170	.19	.016	87NL16
87FL17	.018	8.1	4100	.30	.025	87NL17
87FL18	.029	10.2	3250	.47	.040	87NL18
87FL19	.046	12.8	2580	.74	.063	87NL19
87FL20	.073	16.2	2040	1.2	.10	87NL20
87FL21	.12	20.4	1620	1.8	.16	87NL21
87FL22	.18	25.7	1280	2.9	.26	87NL22
87FL23	.30	32.4	1020	4.6	.41	87NL23
87FL24	.47	40.5	808	7.3	.65	87NL24
87FL25	.74	51	641	12	1.0	87NL25
87FL26	1.2	64	508	19	1.7	87NL26
87FL27	1.8	81	403	30	2.6	87NL27
87FL28	3.0	102	320	47	4.2	87NL28
87FL29	4.7	128	253	74	6.5	87NL29
87FL30	7.4	162	201	120	11	87NL30
87FL31	12	204	159	190	17	87NL31
87FL32	18	257	126	300	26	87NL32
87FL33	30	324	100	480	42	87NL33
100FL15	.012	8.8	6510	.18	.016	100NL15
100FL16	.018	11.1	5170	.29	.026	100NL16
100FL17	.029	13.9	4100	.45	.041	100NL17
100FL18	.046	17.5	3250	.71	.066	100NL18
100FL19	.074	22.0	2580	1.1	.10	100NL19
100FL20	.12	27.7	2040	1.7	.16	100NL20
100FL21	.19	35.0	1620	2.7	.26	100NL21
100FL22	.30	44.0	1280	4.3	.42	100NL22
100FL23	.47	55.5	1020	6.9	.66	100NL23
100FL24	.74	70	808	11	1.1	100NL24
100FL25	1.2	88	641	17	1.7	100NL25
100FL26	1.9	111	508	28	2.7	100NL26
100FL27	3.0	139	403	45	4.2	100NL27
100FL28	4.8	175	320	73	6.8	100NL28
100FL29	7.5	220	253	110	11	100NL29
100FL30	12	277	201	190	17	100NL30
100FL31	19	350	159	290	28	100NL31
100FL32	30	440	126	450	42	100NL32

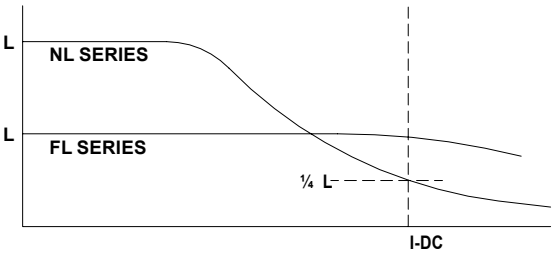
APPLICATION FEATURES

Miniature chokes, primarily for use in DC power-supply smoothing-filter applications, are offered in two series: (1) the linear FL SERIES and (2) the "swinging" NL SERIES.

The FL SERIES chokes are especially suited for requirements where the DC will be 50 to 100% of I-DC rated. They will provide the most inductance in this range.

The NL SERIES chokes are generally more suitable where the DC will vary between 10 to 100% of I-DC rated. The inductance at rated I-DC is approximately ¼ of the value at I-DC = 0.

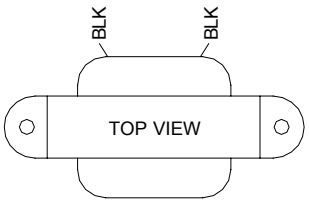
TYPICAL L VS I-DC CHARACTERISTICS



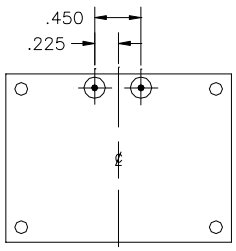
Both SERIES are listed by size in the tables of specifications. The V, I-DC, and R are the same for similar part numbers, only the inductance values and characteristics are different.

All parts are available in any of the MCE Miniature Line package options (OB, CA, EA etc.).

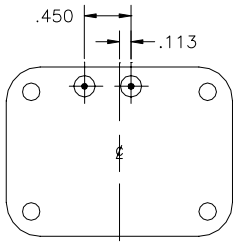
TERMINAL / LEAD LOCATION



OB SIZES 62-100



CA SIZES 62-100



EA SIZES 62-100

NOTES

1. The inductance values given are at the corresponding V-RMS 60 Hz voltages and I-DC = 0. For test purposes, inductance measurements can be made by impedance, or E-I method.
2. All electrical data at 20°±5°C.
3. All OB type parts with part numbers ending with 15, 16, or 17 have self leads (solid) with sleeving.
4. Specify complete part number, e.g. CA62FL34, OB75NL25, EA100FL17.

	INIT.	DATE	TOLERANCES	MAGNETIC CIRCUIT ELEMENTS INC.		
PROD.	MP	4-6-06	DECIMALS (IN.) .XX = ± 0.03 .XXX = ± 0.010 VOLTS = ±5%	DC FILTER CHOKES		
ENG.	JC	4-6-06				
Q.A.	BT	4-6-06	CAGE 09349	DESCRIPTION LAMINATION CORE TYPE	SIZE A	DWG . NO. FL/NL (62-100)
REV.						