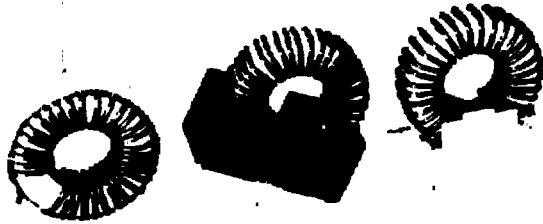


Inductors for Power Supply and EMI/RFI Filter Applications

"CI" Inductors are designed primarily for applications such as energy storage in switching power supplies.

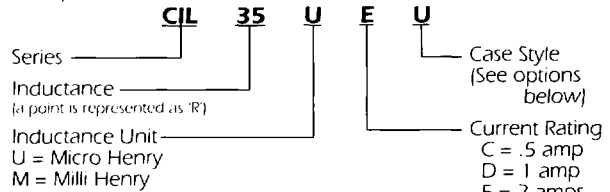


Typical DC Resistance in Ohms

	Current Rating in Amps				
	.5	1	2	3	5
CIE Series	.05 - .12	.02 - .08	.01 - .02	.002 - .005	.001 - .002
CIL Series	.09 - .23	.04 - .10	.02 - .04	.006 - .010	.001 - .004
CIR Series	.22 - .73	.12 - .22	.04 - .08	.02 - .03	.006 - .017
CIT Series	.50 - .92	.18 - .32	.10 - .12	.05 - .06	.015 - .031

Build Your Own Standard Part Number

To build your own part number, specify the series, inductance, current rating and case style. To optimize the inductance, size and current carrying capability, choose your part number from within the range of part numbers on the graphs below. Example:



Lead Diameter Dimensions

Current Rating	Style U & K	Style T	Style T
	Series CIL, CIP & CII	Series CIL	Series CIL
5	.020	.050	.040
1	.025	.050	.040
2	.032	.050	.040
3	.040	.050	.040
5	.050	.050	.050

CIE Series

Induct. in μ H	Current Rating in Amps				
	.5	1	2	3	5
1	*	*	*	CIE1UFX	CIE1UGX
2	*	*	*	CIE2UFX	CIE2UGX
6	*	*	CIE6UFX	CIE6UFX	**
20	*	CIE20UDX	CIE20UEX	**	**
40	CIE40UCX	CIE40UDX	CIE40UEX	**	**
80	CIE80UCX	CIE80UDX	**	**	**
150	CIE150UCX	**	**	**	**

*Call factory **See CIL series

CIL Series

Induct. in μ H	Current Rating in Amps				
	.5	1	2	3	5
2	*	*	*	*	CIL2UGX
8	*	*	*	CIL8UFX	CIL8UGX
20	*	*	CIL20UEX	CIL20UFX	**
50	*	CIL50UDX	CIL50UEX	**	**
100	CIL100UCX	CIL100UDX	CIL100UEX	**	**
300	CIL300UCX	CIL300UDX	**	**	**
500	CIL500UCX	**	**	**	**

*See CIE series **See CIR series

CIR Series

Induct.	Current Rating in Amps				
	.5	1	2	3	5
15 μ H	*	*	*	*	CIR15UGX
50 μ H	*	*	*	CIR50UFX	CIR50UGX
100 μ H	*	*	CIR100UEX	CIR100UFX	**
300 μ H	*	CIR300UDX	CIR300UEX	**	**
500 μ H	CIR500UCX	CIR500UDX	CIR500UEX	**	**
4.7mH	CIR47MCX	**	**	**	**

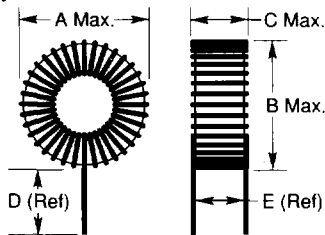
*See CIL series **See CIT series

CIT Series

Induct.	Current Rating in Amps				
	.5	1	2	3	5
50 μ H	*	*	*	*	CIT50UGX
200 μ H	*	*	*	CIT200UFX	CIT200UGX
350 μ H	*	*	CIT350UEX	CIT350UFX	**
1mH	*	CIT1MDX	CIT1MEX	**	**
1.5mH	*	CIT1R5MDX	**	**	**
5mH	CIT5MCX	**	**	**	**

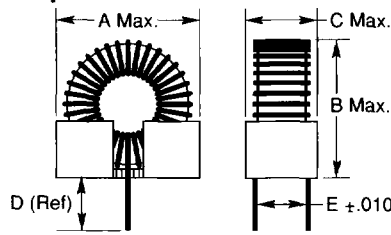
*See CIR series **Call factory

Style "U" Open



Size	CIE	CIL	CIR	CIT
A	.650	.900	1.500	1.800
B	.650	.900	1.500	1.800
C	.325	.425	.625	.750
D	.187	.187	.187	.187
E	.250	.300	.600	.750

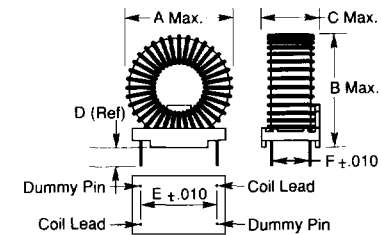
Style "K" Klip mount



Size	CIE	CIL	CIR
A	.687	.900	1.500
B	.700	.950	1.550
C	.500	.500	.750
D	.187	.187	.187
E	.300	.300	.500

Style K not available for 5 amp or CIT coils.

Style "T" Four Pin mount



Size	CIE	CIL	CIR	CIT
A	.765	.900	1.500	1.750
B	.825	1.075	1.560	1.860
C	.440	.650	.650	.850
D	.187	.187	.187	.187
E	.600	.800	.800	.900
F	.250	.400	.400	.600

Note: Inductance tolerance is $\pm 20\%$. Dimensions are in inches.

Standex Electronics



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Custom inductors and transformers are standard at Standex Electronics. Please call or write with any questions or requirement you may have.