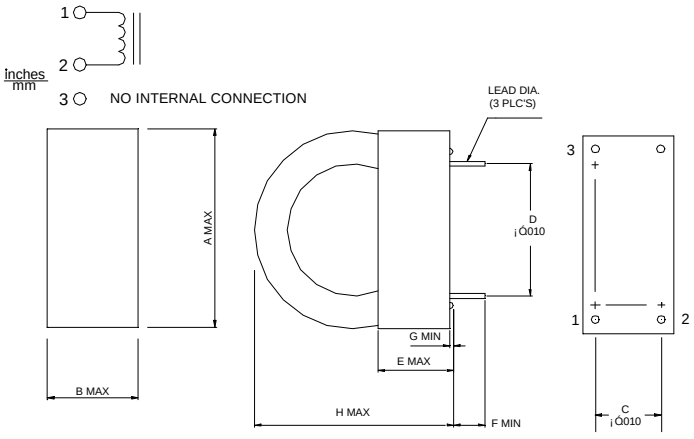
HIGH CURRENT TOROIDAL INDUCTORS

- Cost effective designs.
- Semi-Encapsulated construction.
- 130°C maximum operation temperature (ambient+rise).
- 2:1 inductance swing from zero to max. current.
- Available without case on request.
- Vertical package Standard-Encapsulated horizontal package is available.

ELECTRICAL CHARACTERISTICS @25°C

Reference Operating Values					Design Control Values					
Part Number	Inductance Typical (µH)	I_{DC} (Amps)	ET_{OP} (V-µs)		Inductance No D.C. (µH) $^{+20\%}_{-12\%}$	1000Hz Test Volts No D.C.	DCR (ohms) Max	Size Code	Lead Dia. (inches)±.003	Min. Energy Storage (µ)
			20KHz	40KHz						
UT31506	17.0	17.0	190	130	40.0	1.10	0.0065	3	0.081	2460
UT31507	32.0	16.0	290	200	70.7	2.20	0.0092	4	0.081	4100
UT31508	60.0	16.0	390	270	120.0	3.90	0.012	5	0.081	7700
UT31509	14.0	10.0	135	95	28.5	0.60	0.009	1	0.057	700
UT31510	23.0	11.0	170	120	43.5	1.10	0.012	2	0.057	1400
UT31511	43.0	10.0	280	195	85.5	1.70	0.018	3	0.057	2150
UT31512	78.0	10.0	430	300	179.0	3.20	0.025	4	0.057	3900
UT31513	144.0	10.0	570	400	262.0	5.70	0.032	5	0.057	7200
UT31514	32.0	.5	200	140	60.5	0.85	0.025	1	0.040	675
UT31515	52.0	7.0	230	160	92.0	1.50	0.032	2	0.040	1275
UT31516	98.0	6.0	400	280	188.0	2.40	0.048	3	0.040	1765
UT31517	175.0	6.0	620	425	315.0	4.60	0.068	4	0.040	3150
UT31518	335.0	6.0	840	580	571.0	8.50	0.095	5	0.040	6030
UT31519	280.0	3.5	500	350	325.0	0.06	0.200	6	0.036	1715
UT31520	47.0	3.5	600	420	1000.0	1.00	0.130	3	0.036	2630

Size Code	A	B	C	D	E	F	G	H
1	1.20 30.48	0.55 13.97	0.400 10.16	0.800 20.32	0.45 11.43	0.20 5.08	0.015 0.38	1.20 30.48
2	1.44 36.57	0.800 20.32	0.600 15.24	0.90 22.86	0.700 17.78	0.20 5.08	0.03 0.76	1.44 36.57
3	1.60 40.64	0.800 20.32	0.600 15.24	0.90 22.86	0.700 17.78	0.20 5.08	0.03 0.76	1.72 43.68
4	1.95 49.53	0.91 23.11	0.700 17.78	1.200 30.48	0.90 22.86	0.20 5.08	0.03 0.76	2.00 50.80
5	2.30 58.42	1.11 28.21	0.900 22.85	1.500 38.10	1.00 25.40	0.20 5.08	0.03 0.76	2.30 58.42
6	1.30 33.02	0.90 22.86	0.66 16.76	0.75 19.05	0.41 10.41	0.10 2.54	0.015 0.381	1.40 35.56



DATA SHEET 01-31 APR./98 1 OF 1

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