

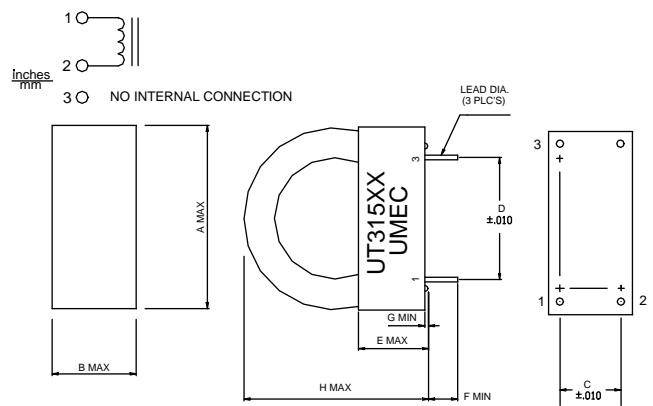
HIGH CURRENT TOROIDAL INDUCTORS

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

ELECTRICAL CHARACTERISTICS @25°C

Reference Operating Values					Desihn Control Values					
Model 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 J)
			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	470.0	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	<u>1.20</u> 30.48	<u>0.55</u> 13.97	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.45</u> 11.43	<u>0.20</u> 5.08	<u>0.015</u> 0.38	<u>1.20</u> 30.48
2	<u>1.44</u> 36.57	<u>0.800</u> 20.32	<u>0.600</u> 15.24	<u>0.90</u> 22.86	<u>0.700</u> 17.78	<u>0.20</u> 5.08	<u>0.02</u> 0.50	<u>1.44</u> 36.57
3	<u>1.60</u> 40.64	<u>0.800</u> 20.32	<u>0.600</u> 15.24	<u>0.90</u> 22.86	<u>0.700</u> 17.78	<u>0.20</u> 5.08	<u>0.02</u> 0.50	<u>1.72</u> 43.68
4	<u>1.95</u> 49.53	<u>0.91</u> 23.11	<u>0.700</u> 17.78	<u>1.200</u> 30.48	<u>0.90</u> 22.86	<u>0.20</u> 5.08	<u>0.02</u> 0.50	<u>2.00</u> 50.80
5	<u>2.30</u> 58.42	<u>1.11</u> 28.21	<u>0.900</u> 22.85	<u>1.500</u> 38.10	<u>1.00</u> 25.40	<u>0.20</u> 5.08	<u>0.02</u> 0.50	<u>2.30</u> 58.42
6	<u>1.30</u> 33.02	<u>0.90</u> 22.86	<u>0.66</u> 16.76	<u>0.75</u> 19.05	<u>0.41</u> 10.41	<u>0.10</u> 2.54	<u>0.015</u> 0.381	<u>1.40</u> 35.56



*For RoHS compliant products, 1.)The Ordering Code: TG-Model No. ex. TG-UT31506
 2.)Solder : Sn/ Cu ; 3.)Date Code suffix to "G" (xxxxG)
 *Specifications are subject to change without prior notice.

