



PRODUCT IDENTIFICATION

TGH 0810 100 K T 00
a b c d e g

a: Series name

b: Product dimensions

c: Inductance Value

(1R0:1.0uH; 100: 10uH; 101:100uH)

d: Inductance Tolerance (J:5%; K:10% ; M:20%)

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

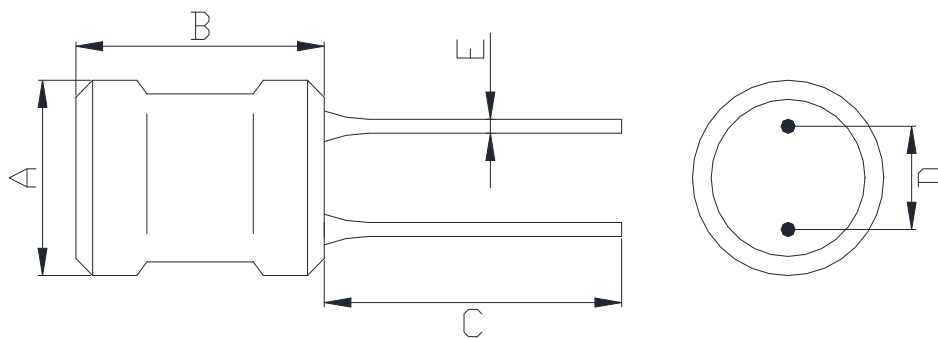
FEATURES

- ◆ Low cost.
- ◆ Wide range of inductance.
- ◆ Small mounting space required.
- ◆ The other types with low DCR, large current, best for the power supply line.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

SHAPES AND DIMENSIONS



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	D	E Ref.
TGH.0406	5.50	8.00	15.0	2.0±0.5	0.50
TGH.0608	7.50	10.00	15.0	3.0±0.5	0.60
TGH.0810	10.00	13.00	15.0	5.0±0.5	0.65
TGH.0912	11.00	15.00	15.0	5.0±0.5	0.80
TGH.1012	12.00	15.00	15.0	5.0±0.5	0.80

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGH.0406.1R0MT00	1.0	1.0/0.25	0.035	2.00
TGH.0406.1R2MT00	1.2	1.0/0.25	0.058	1.95
TGH.0406.1R5MT00	1.5	1.0/0.25	0.075	1.90
TGH.0406.1R8MT00	1.8	1.0/0.25	0.110	1.80
TGH.0406.2R2MT00	2.2	1.0/0.25	0.120	1.75
TGH.0406.2R7MT00	2.7	1.0/0.25	0.125	1.68
TGH.0406.3R3MT00	3.3	1.0/0.25	0.130	1.50
TGH.0406.3R9MT00	3.9	1.0/0.25	0.135	1.45
TGH.0406.4R7MT00	4.7	1.0/0.25	0.140	1.32
TGH.0406.5R6MT00	5.6	1.0/0.25	0.145	1.23
TGH.0406.6R8MT00	6.8	1.0/0.25	0.150	1.15
TGH.0406.8R2MT00	8.2	1.0/0.25	0.160	1.10
TGH.0406.100KT00	10	1.0/0.25	0.230	1.00
TGH.0406.120KT00	12	1.0/0.25	0.240	0.97
TGH.0406.150KT00	15	1.0/0.25	0.250	0.92
TGH.0406.180KT00	18	1.0/0.25	0.330	0.86
TGH.0406.220KT00	22	1.0/0.25	0.450	0.80
TGH.0406.270KT00	27	1.0/0.25	0.500	0.71
TGH.0406.330KT00	33	1.0/0.25	0.700	0.66
TGH.0406.390KT00	39	1.0/0.25	0.740	0.60
TGH.0406.470KT00	47	1.0/0.25	0.760	0.55
TGH.0406.560KT00	56	1.0/0.25	0.800	0.50
TGH.0406.680KT00	68	1.0/0.25	0.900	0.47
TGH.0406.820KT00	82	1.0/0.25	0.950	0.43
TGH.0406.101KT00	100	1.0/0.25	1.000	0.40
TGH.0406.121KT00	120	1.0/0.25	1.100	0.37
TGH.0406.151KT00	150	1.0/0.25	1.300	0.35
TGH.0406.181KT00	180	1.0/0.25	1.500	0.32
TGH.0406.221KT00	220	1.0/0.25	1.800	0.30
TGH.0406.271KT00	270	1.0/0.25	1.900	0.27
TGH.0406.331KT00	330	1.0/0.25	2.200	0.25
TGH.0406.391KT00	390	1.0/0.25	2.700	0.22
TGH.0406.471KT00	470	1.0/0.25	3.600	0.20
TGH.0406.561KT00	560	1.0/0.25	4.200	0.19
TGH.0406.681KT00	680	1.0/0.25	4.600	0.17
TGH.0406.821KT00	820	1.0/0.25	5.700	0.16

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

Anhui Tiger Co., Ltd.

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGH.0608.3R3MT00	3.3	1.0/0.25	0.016	3.50
TGH.0608.4R7MT00	4.7	1.0/0.25	0.020	3.00
TGH.0608.6R8MT00	6.8	1.0/0.25	0.022	2.50
TGH.0608.100KT00	10	1.0/0.25	0.039	2.00
TGH.0608.150KT00	15	1.0/0.25	0.045	1.70
TGH.0608.220KT00	22	1.0/0.25	0.062	1.40
TGH.0608.330KT00	33	1.0/0.25	0.100	1.10
TGH.0608.470KT00	47	1.0/0.25	0.150	0.95
TGH.0608.680KT00	68	1.0/0.25	0.220	0.80
TGH.0608.101KT00	100	1.0/0.25	0.350	0.65
TGH.0608.151KT00	150	1.0/0.25	0.430	0.54
TGH.0608.221KT00	220	1.0/0.25	0.900	0.44
TGH.0608.331KT00	330	1.0/0.25	1.500	0.36
TGH.0608.471KT00	470	1.0/0.25	1.800	0.30
TGH.0608.681KT00	680	1.0/0.25	2.500	0.25
TGH.0608.102KT00	1000	1.0/0.25	3.200	0.20
TGH.0608.122KT00	1200	1.0/0.25	3.500	0.18
TGH.0608.152KT00	1500	1.0/0.25	4.500	0.17
TGH.0608.182KT00	1800	1.0/0.25	5.000	0.15
TGH.0608.222KT00	2200	1.0/0.25	6.800	0.14
TGH.0608.272KT00	2700	1.0/0.25	7.200	0.12
TGH.0608.332KT00	3300	1.0/0.25	10.500	0.11
TGH.0608.392KT00	3900	1.0/0.25	11.700	0.10
TGH.0608.472KT00	4700	1.0/0.25	13.600	0.09
TGH.0608.562KT00	5600	1.0/0.25	16.600	0.08
TGH.0608.682KT00	6800	1.0/0.25	19.600	0.08
TGH.0608.822KT00	8200	1.0/0.25	25.200	0.07
TGH.0608.103KT00	10000	1.0/0.25	29.500	0.06
TGH.0608.123KT00	12000	1.0/0.25	33.800	0.06
TGH.0608.153KT00	15000	1.0/0.25	45.400	0.05
TGH.0608.183KT00	18000	1.0/0.25	50.400	0.05
TGH.0608.223KT00	22000	1.0/0.25	80.000	0.04
TGH.0608.273KT00	27000	1.0/0.25	91.500	0.04
TGH.0608.333KT00	33000	1.0/0.25	98.500	0.03
TGH.0608.393KT00	39000	1.0/0.25	140.000	0.03
TGH.0608.473KT00	47000	1.0/0.25	160.000	0.03

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

Anhui Tiger Co., Ltd.

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGH.0810.3R3MT00	3.3	1.0/0.25	0.012	5.00
TGH.0810.3R9MT00	3.9	1.0/0.25	0.014	4.60
TGH.0810.4R7MT00	4.7	1.0/0.25	0.016	4.30
TGH.0810.5R6MT00	5.6	1.0/0.25	0.020	3.90
TGH.0810.6R8MT00	6.8	1.0/0.25	0.022	3.70
TGH.0810.8R2MT00	8.2	1.0/0.25	0.024	3.50
TGH.0810.100KT00	10	1.0/0.25	0.025	3.20
TGH.0810.120KT00	12	1.0/0.25	0.027	3.00
TGH.0810.150KT00	15	1.0/0.25	0.033	2.80
TGH.0810.180KT00	18	1.0/0.25	0.039	2.60
TGH.0810.220KT00	22	1.0/0.25	0.047	2.40
TGH.0810.270KT00	27	1.0/0.25	0.052	2.10
TGH.0810.330KT00	33	1.0/0.25	0.075	1.90
TGH.0810.390KT00	39	1.0/0.25	0.082	1.70
TGH.0810.470KT00	47	1.0/0.25	0.100	1.50
TGH.0810.560KT00	56	1.0/0.25	0.150	1.30
TGH.0810.680KT00	68	1.0/0.25	0.180	1.20
TGH.0810.820KT00	82	1.0/0.25	0.200	1.10
TGH.0810.101KT00	100	1.0/0.25	0.210	0.90
TGH.0810.121KT00	120	1.0/0.25	0.220	0.80
TGH.0810.151KT00	150	1.0/0.25	0.240	0.72
TGH.0810.181KT00	180	1.0/0.25	0.280	0.65
TGH.0810.221KT00	220	1.0/0.25	0.350	0.60
TGH.0810.271KT00	270	1.0/0.25	0.400	0.55
TGH.0810.331KT00	330	1.0/0.25	0.470	0.50
TGH.0810.391KT00	390	1.0/0.25	0.680	0.46
TGH.0810.471KT00	470	1.0/0.25	0.800	0.42
TGH.0810.561KT00	560	1.0/0.25	1.000	0.38
TGH.0810.681KT00	680	1.0/0.25	1.200	0.35
TGH.0810.821KT00	820	1.0/0.25	1.500	0.31
TGH.0810.102KT00	1000	1.0/0.25	1.800	0.28
TGH.0810.122KT00	1200	1.0/0.25	2.000	0.25
TGH.0810.152KT00	1500	1.0/0.25	2.400	0.23
TGH.0810.182KT00	1800	1.0/0.25	2.800	0.21
TGH.0810.222KT00	2200	1.0/0.25	3.300	0.19
TGH.0810.272KT00	2700	1.0/0.25	5.000	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

Anhui Tiger Co., Ltd.

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGH.0912.1R0MT00	1.0	1.0/0.25	0.011	5.00
TGH.0912.1R5MT00	1.5	1.0/0.25	0.012	4.80
TGH.0912.1R8MT00	1.8	1.0/0.25	0.013	4.70
TGH.0912.2R2MT00	2.2	1.0/0.25	0.015	4.60
TGH.0912.3R3MT00	3.3	1.0/0.25	0.017	4.50
TGH.0912.3R9MT00	3.9	1.0/0.25	0.019	4.30
TGH.0912.4R7MT00	4.7	1.0/0.25	0.020	4.00
TGH.0912.5R6MT00	5.6	1.0/0.25	0.023	3.80
TGH.0912.6R8MT00	6.8	1.0/0.25	0.025	3.50
TGH.0912.8R2MT00	8.2	1.0/0.25	0.027	3.00
TGH.0912.100KT00	10	1.0/0.25	0.035	2.80
TGH.0912.120KT00	12	1.0/0.25	0.040	2.70
TGH.0912.150KT00	15	1.0/0.25	0.045	2.30
TGH.0912.180KT00	18	1.0/0.25	0.050	2.10
TGH.0912.220KT00	22	1.0/0.25	0.060	2.00
TGH.0912.270KT00	27	1.0/0.25	0.070	1.70
TGH.0912.330KT00	33	1.0/0.25	0.100	1.50
TGH.0912.390KT00	39	1.0/0.25	0.120	1.40
TGH.0912.470KT00	47	1.0/0.25	0.125	1.30
TGH.0912.560KT00	56	1.0/0.25	0.130	1.20
TGH.0912.680KT00	68	1.0/0.25	0.140	1.00
TGH.0912.820KT00	82	1.0/0.25	0.150	0.90
TGH.0912.101KT00	100	1.0/0.25	0.160	0.70
TGH.0912.121KT00	120	1.0/0.25	0.250	0.68
TGH.0912.151KT00	150	1.0/0.25	0.280	0.65
TGH.0912.181KT00	180	1.0/0.25	0.320	0.60
TGH.0912.221KT00	220	1.0/0.25	0.470	0.50
TGH.0912.271KT00	270	1.0/0.25	0.530	0.45
TGH.0912.331KT00	330	1.0/0.25	0.600	0.40
TGH.0912.391KT00	390	1.0/0.25	0.850	0.35
TGH.0912.471KT00	470	1.0/0.25	0.950	0.33
TGH.0912.561KT00	560	1.0/0.25	1.100	0.30
TGH.0912.681KT00	680	1.0/0.25	1.200	0.25
TGH.0912.821KT00	820	1.0/0.25	1.300	0.20
TGH.0912.102KT00	1000	1.0/0.25	1.400	0.18
TGH.0912.152KT00	1500	1.0/0.25	2.900	0.15

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

Anhui Tiger Co., Ltd.

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGH.1012.1R0MT00	1.0	1.0/0.25	0.010	6.00
TGH.1012.1R5MT00	1.5	1.0/0.25	0.012	5.80
TGH.1012.1R8MT00	1.8	1.0/0.25	0.014	5.70
TGH.1012.2R7MT00	2.7	1.0/0.25	0.015	5.50
TGH.1012.3R3MT00	3.3	1.0/0.25	0.018	5.30
TGH.1012.3R9MT00	3.9	1.0/0.25	0.020	5.00
TGH.1012.4R7MT00	4.7	1.0/0.25	0.023	4.90
TGH.1012.5R6MT00	5.6	1.0/0.25	0.025	4.80
TGH.1012.6R8MT00	6.8	1.0/0.25	0.027	4.60
TGH.1012.8R2MT00	8.2	1.0/0.25	0.029	4.50
TGH.1012.100KT00	10	1.0/0.25	0.031	4.40
TGH.1012.120KT00	12	1.0/0.25	0.033	4.30
TGH.1012.150KT00	15	1.0/0.25	0.035	4.20
TGH.1012.180KT00	18	1.0/0.25	0.040	4.00
TGH.1012.220KT00	22	1.0/0.25	0.045	3.80
TGH.1012.270KT00	27	1.0/0.25	0.050	3.50
TGH.1012.330KT00	33	1.0/0.25	0.055	3.00
TGH.1012.390KT00	39	1.0/0.25	0.060	2.50
TGH.1012.470KT00	47	1.0/0.25	0.080	2.30
TGH.1012.560KT00	56	1.0/0.25	0.085	2.00
TGH.1012.680KT00	68	1.0/0.25	0.095	1.90
TGH.1012.820KT00	82	1.0/0.25	0.110	1.80
TGH.1012.101KT00	100	1.0/0.25	0.140	1.70
TGH.1012.121KT00	120	1.0/0.25	0.160	1.50
TGH.1012.151KT00	150	1.0/0.25	0.180	1.40
TGH.1012.181KT00	180	1.0/0.25	0.250	1.30
TGH.1012.221KT00	220	1.0/0.25	0.280	1.00
TGH.1012.271KT00	270	1.0/0.25	0.420	0.90
TGH.1012.331KT00	330	1.0/0.25	0.540	0.80
TGH.1012.391KT00	390	1.0/0.25	0.600	0.75
TGH.1012.471KT00	470	1.0/0.25	0.660	0.70
TGH.1012.561KT00	560	1.0/0.25	0.740	0.60
TGH.1012.681KT00	680	1.0/0.25	0.840	0.55
TGH.1012.821KT00	820	1.0/0.25	1.080	0.50
TGH.1012.102KT00	1000	1.0/0.25	1.390	0.45
TGH.1012.103KT00	10000	1.0/0.25	12.000	0.18

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

Anhui Tiger Co., Ltd.