



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.

PRODUCT IDENTIFICATION

TGCR 114 100 K I 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

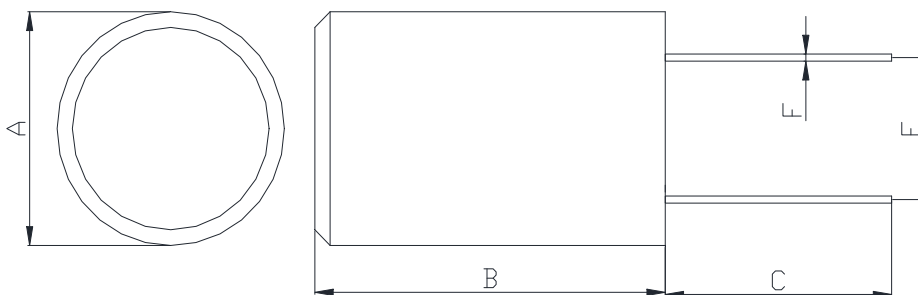
(1R0:1.0uH; 100: 10uH; 101:100uH)

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

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	E Ref.	F Ref.
TGCR.0110	11.0	11.0	15.0	5.0	0.65
TGCR.0112	11.0	13.0	15.0	5.0	0.65
TGCR.0114	11.0	15.0	15.0	5.0	0.65
TGCR.0124	13.0	15.0	15.0	5.0	0.80

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGCR.0110.100MT00	10.0	1.0/0.25	0.018	1.00
TGCR.0110.150MT00	15.0	1.0/0.25	0.020	0.810
TGCR.0110.180MT00	18.0	1.0/0.25	0.023	0.765
TGCR.0110.220MT00	22.0	1.0/0.25	0.025	0.630
TGCR.0110.270MT00	27.0	1.0/0.25	0.027	0.495
TGCR.0110.330MT00	33.0	1.0/0.25	0.034	0.470
TGCR.0110.390MT00	39.0	1.0/0.25	0.039	0.390
TGCR.0110.470MT00	47.0	1.0/0.25	0.047	0.370
TGCR.0110.560MT00	56.0	1.0/0.25	0.049	0.325
TGCR.0110.680MT00	68.0	1.0/0.25	0.056	0.290
TGCR.0110.820MT00	82.0	1.0/0.25	0.061	0.270
TGCR.0110.101MT00	100.0	1.0/0.25	0.069	0.230
TGCR.0110.151MT00	150.0	1.0/0.25	0.095	0.200
TGCR.0110.181MT00	180.0	1.0/0.25	0.105	0.175
TGCR.0110.221MT00	220.0	1.0/0.25	0.115	0.160
TGCR.0110.271MT00	270.0	1.0/0.25	0.150	0.140
TGCR.0110.331MT00	330.0	1.0/0.25	0.195	0.115
TGCR.0110.391MT00	390.0	1.0/0.25	0.210	0.108
TGCR.0110.471MT00	470.0	1.0/0.25	0.250	0.104
TGCR.0110.561MT00	560.0	1.0/0.25	0.280	0.095
TGCR.0110.681MT00	680.0	1.0/0.25	0.365	0.078
TGCR.0110.821MT00	820.0	1.0/0.25	0.425	0.075
TGCR.0110.102MT00	1000	1.0/0.25	0.470	0.068
TGCR.0110.122MT00	1200	1.0/0.25	1.00	0.050
TGCR.0110.152MT00	1500	1.0/0.25	5.90	0.046
TGCR.0110.182MT00	1800	1.0/0.25	6.60	0.041
TGCR.0110.222MT00	2200	1.0/0.25	7.80	0.037
TGCR.0110.272MT00	2700	1.0/0.25	9.00	0.034
TGCR.0110.332MT00	3300	1.0/0.25	10.00	0.030
TGCR.0110.392MT00	3900	1.0/0.25	11.50	0.028
TGCR.0110.472MT00	4700	1.0/0.25	12.60	0.025
TGCR.0110.562MT00	5600	1.0/0.25	17.20	0.023
TGCR.0110.682MT00	6800	1.0/0.25	19.00	0.020
TGCR.0110.822MT00	8200	1.0/0.25	22.00	0.018
TGCR.0110.103MT00	10000	1.0/0.25	25.0	0.015

Note:

Tolerance: N:±30% , M:±20% , K:±10%

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

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Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGCR.0112.100MT00	10.0	1.0/0.25	0.027	3.30
TGCR.0112.150MT00	15.0	1.0/0.25	0.033	2.80
TGCR.0112.180MT00	18.0	1.0/0.25	0.037	2.50
TGCR.0112.220MT00	22.0	1.0/0.25	0.045	2.25
TGCR.0112.270MT00	27.0	1.0/0.25	0.051	2.00
TGCR.0112.330MT00	33.0	1.0/0.25	0.067	1.87
TGCR.0112.390MT00	39.0	1.0/0.25	0.076	1.68
TGCR.0112.470MT00	47.0	1.0/0.25	0.085	1.50
TGCR.0112.560MT00	56.0	1.0/0.25	0.094	1.44
TGCR.0112.680MT00	68.0	1.0/0.25	0.103	1.28
TGCR.0112.820MT00	82.0	1.0/0.25	0.125	1.20
TGCR.0112.101MT00	100.0	1.0/0.25	0.170	1.11
TGCR.0112.151MT00	150.0	1.0/0.25	0.210	0.84
TGCR.0112.181MT00	180.0	1.0/0.25	0.235	0.81
TGCR.0112.221MT00	220.0	1.0/0.25	0.300	0.72
TGCR.0112.271MT00	270.0	1.0/0.25	0.420	0.64
TGCR.0112.331MT00	330.0	1.0/0.25	0.475	0.59
TGCR.0112.391MT00	390.0	1.0/0.25	0.600	0.54
TGCR.0112.471MT00	470.0	1.0/0.25	0.668	0.50
TGCR.0112.561MT00	560.0	1.0/0.25	0.855	0.43
TGCR.0112.681MT00	680.0	1.0/0.25	1.080	0.39
TGCR.0112.821MT00	820.0	1.0/0.25	1.200	0.37
TGCR.0112.102MT00	1000	1.0/0.25	1.380	0.33
TGCR.0112.122MT00	1200	1.0/0.25	3.700	0.05
TGCR.0112.152MT00	1500	1.0/0.25	4.00	0.04
TGCR.0112.182MT00	1800	1.0/0.25	4.50	0.04
TGCR.0112.222MT00	2200	1.0/0.25	5.20	0.04
TGCR.0112.272MT00	2700	1.0/0.25	5.80	0.03
TGCR.0112.332MT00	3300	1.0/0.25	6.10	0.03
TGCR.0112.392MT00	3900	1.0/0.25	7.20	0.03
TGCR.0112.472MT00	4700	1.0/0.25	7.50	0.02
TGCR.0112.562MT00	5600	1.0/0.25	8.40	0.02
TGCR.0112.682MT00	6800	1.0/0.25	9.70	0.02
TGCR.0112.822MT00	8200	1.0/0.25	10.4	0.02
TGCR.0112.103MT00	10000	1.0/0.25	12.1	0.01

Note:

Tolerance: N:±30% , M:±20% , K:±10%

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Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGCR.0114.100MT00	10.0	1.0/0.25	0.029	4.50
TGCR.0114.150MT00	15.0	1.0/0.25	0.040	3.65
TGCR.0114.180MT00	18.0	1.0/0.25	0.054	3.20
TGCR.0114.220MT00	22.0	1.0/0.25	0.060	3.20
TGCR.0114.270MT00	27.0	1.0/0.25	0.066	2.70
TGCR.0114.330MT00	33.0	1.0/0.25	0.070	2.40
TGCR.0114.390MT00	39.0	1.0/0.25	0.078	2.25
TGCR.0114.470MT00	47.0	1.0/0.25	0.086	2.10
TGCR.0114.560MT00	56.0	1.0/0.25	0.094	1.90
TGCR.0114.680MT00	68.0	1.0/0.25	0.102	1.75
TGCR.0114.820MT00	82.0	1.0/0.25	0.124	1.65
TGCR.0114.101MT00	100.0	1.0/0.25	0.158	1.45
TGCR.0114.151MT00	150.0	1.0/0.25	0.248	1.18
TGCR.0114.181MT00	180.0	1.0/0.25	0.345	1.08
TGCR.0114.221MT00	220.0	1.0/0.25	0.440	0.92
TGCR.0114.271MT00	270.0	1.0/0.25	0.488	0.87
TGCR.0114.331MT00	330.0	1.0/0.25	0.650	0.80
TGCR.0114.391MT00	390.0	1.0/0.25	0.835	0.74
TGCR.0114.471MT00	470.0	1.0/0.25	0.902	0.67
TGCR.0114.561MT00	560.0	1.0/0.25	1.21	0.61
TGCR.0114.681MT00	680.0	1.0/0.25	1.33	0.55
TGCR.0114.821MT00	820.0	1.0/0.25	1.45	0.51
TGCR.0114.102MT00	1000	1.0/0.25	2.05	0.46
TGCR.0114.122MT00	1200	1.0/0.25	2.25	0.43
TGCR.0114.152MT00	1500	1.0/0.25	2.50	0.37
TGCR.0114.182MT00	1800	1.0/0.25	2.80	0.35
TGCR.0114.222MT00	2200	1.0/0.25	3.90	0.30
TGCR.0114.272MT00	2700	1.0/0.25	4.28	0.27
TGCR.0114.332MT00	3300	1.0/0.25	7.68	0.26
TGCR.0114.392MT00	3900	1.0/0.25	8.35	0.23
TGCR.0114.472MT00	4700	1.0/0.25	9.10	0.21
TGCR.0114.562MT00	5600	1.0/0.25	10.2	0.19
TGCR.0114.682MT00	6800	1.0/0.25	15.4	0.18
TGCR.0114.822MT00	8200	1.0/0.25	16.9	0.16
TGCR.0114.103MT00	10000	1.0/0.25	23.5	0.15

Note:

Tolerance: N:±30% , M:±20% , K:±10%

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Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
TGCR.0124.100MT00	10.0	1.0/0.25	0.015	3.61
TGCR.0124.150MT00	15.0	1.0/0.25	0.017	3.16
TGCR.0124.180MT00	18.0	1.0/0.25	0.020	2.81
TGCR.0124.220MT00	22.0	1.0/0.25	0.021	2.44
TGCR.0124.270MT00	27.0	1.0/0.25	0.023	2.12
TGCR.0124.330MT00	33.0	1.0/0.25	0.024	1.80
TGCR.0124.390MT00	39.0	1.0/0.25	0.027	1.64
TGCR.0124.470MT00	47.0	1.0/0.25	0.032	1.57
TGCR.0124.560MT00	56.0	1.0/0.25	0.034	1.39
TGCR.0124.680MT00	68.0	1.0/0.25	0.060	1.26
TGCR.0124.820MT00	82.0	1.0/0.25	0.070	1.18
TGCR.0124.101MT00	100.0	1.0/0.25	0.090	1.14
TGCR.0124.151MT00	150.0	1.0/0.25	0.11	0.82
TGCR.0124.181MT00	180.0	1.0/0.25	0.12	0.73
TGCR.0124.221MT00	220.0	1.0/0.25	0.14	0.61
TGCR.0124.271MT00	270.0	1.0/0.25	0.16	0.54
TGCR.0124.331MT00	330.0	1.0/0.25	0.17	0.52
TGCR.0124.391MT00	390.0	1.0/0.25	0.32	0.48
TGCR.0124.471MT00	470.0	1.0/0.25	0.35	0.44
TGCR.0124.561MT00	560.0	1.0/0.25	0.39	0.40
TGCR.0124.681MT00	680.0	1.0/0.25	0.44	0.38
TGCR.0124.821MT00	820.0	1.0/0.25	0.48	0.28
TGCR.0124.102MT00	1000	1.0/0.25	0.53	0.27
TGCR.0124.122MT00	1200	1.0/0.25	0.66	0.26
TGCR.0124.152MT00	1500	1.0/0.25	0.86	0.23
TGCR.0124.182MT00	1800	1.0/0.25	0.95	0.21
TGCR.0124.222MT00	2200	1.0/0.25	1.07	0.18

Note:

Tolerance: N:±30% , M:±20% , K:±10%

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