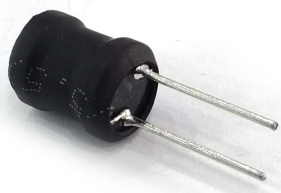
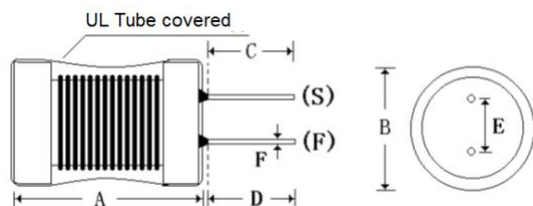
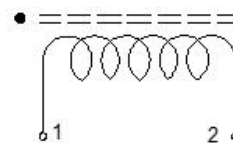


1. Dimensions (mm)



2. Schematics



Type	A	B	C	D	E	F
TDR0406	8.5 max.	5.5 max.	15 REF	15 REF.	2.0±0.5	0.5±0.1
TDR0507	9.0 max.	6.5 max.	15 REF	15 REF.	2.5±0.5	0.5±0.1
TDR0608	11.0 max.	8.0 max.	15 REF	15 REF.	2.5±0.5	0.6±0.1
TDR0610	12.5 max.	8.5 max.	15 REF	15 REF.	3.0±0.5	0.6±0.1
TDR0612	14.0 max.	8.5 max.	15 REF	15 REF.	3.0±0.5	0.6±0.1
TDR0810	13.0 max.	9.0max.	15 REF	15 REF.	5.0±0.5	0.6±0.1
TDR0912	15.0 max.	10.0max.	15 REF	15 REF.	5.0±0.5	0.6±0.1
TDR1012S	14.5 max.	11.5 max.	15 REF	15 REF.	6.0±0.5	0.6±0.1
TDR1016S	18.5 max.	11.5 max.	15 REF	15 REF.	6.0±0.5	0.6±0.1
TDR1419S	21.0 max.	17.0 max.	15 REF	15 REF.	7.5±0.5	0.8±0.1
TDR1618S	22.0 max.	18.0 max.	15 REF	15 REF.	10.0±0.5	1.0±0.1

- ① Dimensions do not include the solder on the terminal pins.
② C pin length to be according to customer's request.

TDR0406 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0406S-2R2MB01	2.2	±20%	26	2.90
TDR0406S-3R3MB01	3.3	±20%	50	2.58
TDR0406S-4R7MB01	4.7	±20%	55	2.50
TDR0406S-6R8KB01	6.8	±10%	65	2.15
TDR0406S-220KB01	22	±10%	160	1.10
TDR0406S-470KB01	47	±10%	500	0.75
TDR0406S-221KB01	220	±10%	1800	0.35
TDR0406S-471KB01	470	±10%	3800	0.23
TDR0406S-102KB01	1000	±10%	8500	0.16

TDR0507 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0507S-100KB01	10	±10%	120	1.5
TDR0507S-121KB01	120	±10%	650	0.5
TDR0507S-220KB01	220	±10%	1250	0.4
TDR0507S-681KB01	680	±10%	3600	0.24
TDR0507S-102KB01	1000	±10%	6000	0.18

All specifications are subject to change without notice.

TDR0608 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0608S-3R3MB01	3.3	±20%	60	4.0
TDR0608S-4R7MB01	4.7	±20%	70	3.5
TDR0608S-6R8MB01	6.8	±20%	80	3.0
TDR0608S-100KB01	10	±10%	90	2.3
TDR0608S-220KB01	22	±10%	140	1.2
TDR0608S-330KB01	33	±10%	190	0.9
TDR0608S-470KB01	47	±10%	230	0.83
TDR0608S-680KB01	68	±10%	370	0.75
TDR0608S-101KB01	100	±10%	440	0.68
TDR0608S-151KB01	150	±10%	730	0.60
TDR0608S-221KB01	220	±10%	920	0.50
TDR0608S-331KB01	330	±10%	1500	0.40
TDR0608S-471KB01	470	±10%	2300	0.35
TDR0608S-561KB01	560	±10%	3000	0.30
TDR0608S-821KB01	820	±10%	4160	0.21
TDR0608S-102KB01	1000	±10%	4550	0.18
TDR0608S-122KB01	1200	±10%	5200	0.16
TDR0608S-152KB01	1500	±10%	6000	0.15
TDR0608S-222KB01	2200	±10%	8320	0.11
TDR0608S-272KB01	2700	±10%	9620	0.11
TDR0608S-332KB01	3300	±10%	10920	0.10
TDR0608S-472KB01	4700	±10%	17810	0.085

TDR0610 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0610S-2R2KB01	2.2	±10%	15	5.0
TDR0610S-101KB01	100	±10%	320	0.60
TDR0610S-301KB01	300	±10%	750	0.45
TDR0610S-102KB01	1000	±10%	2600	0.20
TDR0610S-252KB01	2500	±10%	6000	0.18

TDR0612 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0612S-102KB01	1000	±10%	2250	0.24
TDR0612S-202KB01	2000	±10%	3800	0.17

① Inductance Test Freq:1kHz / 0.25V.

② DCR measured on a micro-ohmmeter.

③ Isat based on ΔL / L0A=10% typ.

All specifications are subject to change without notice.

TDR0810 Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0810S-3R3MB01	3.3	±20%	40	6.0
TDR0810S-4R7MB01	4.7	±20%	60	4.5
TDR0810S-6R8MB01	6.8	±20%	60	4.0
TDR0810S-100KB01	10	±10%	90	3.5
TDR0810S-220KB01	22	±10%	130	3.0
TDR0810S-330KB01	33	±10%	160	2.5
TDR0810S-470KB01	47	±10%	170	1.8
TDR0810S-680KB01	68	±10%	230	1.1
TDR0810S-101KB01	100	±10%	290	0.9
TDR0810S-151KB01	150	±10%	460	0.75
TDR0810S-221KB01	220	±10%	620	0.60
TDR0810S-331KB01	330	±10%	790	0.45
TDR0810S-471KB01	470	±10%	1200	0.45
TDR0810S-681KB01	680	±10%	1500	0.45
TDR0810S-102KB01	1000	±10%	2000	0.28
TDR0810S-122KB01	1200	±10%	2700	0.28
TDR0810S-182KB01	1800	±10%	3500	0.20
TDR0810S-222KB01	2200	±10%	4200	0.17
TDR0810S-332KB01	3300	±10%	6100	0.14

TDR0912S Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR0912S-100KB01	10	±10%	60	4.5
TDR0912S-150KB01	15	±10%	80	3.8
TDR0912S-220KB01	22	±10%	100	3.2
TDR0912S-330KB01	33	±10%	120	2.8
TDR0912S-470KB01	47	±10%	130	2.2
TDR0912S-680KB01	68	±10%	150	1.9
TDR0912S-101KB01	100	±10%	250	1.5
TDR0912S-151KB01	150	±10%	320	0.9
TDR0912S-221KB01	220	±10%	530	0.70
TDR0912S-331KB01	330	±10%	850	0.55
TDR0912S-471KB01	470	±10%	1100	0.50
TDR0912S-681KB01	680	±10%	1300	0.40
TDR0912S-102KB01	1000	±10%	2000	0.35
TDR0912S-152KB01	1500	±10%	2900	0.28
TDR0912S-222KB01	2200	±10%	4500	0.23

① Inductance Test Freq:1kHz / 0.25V.

② DCR measured on a micro-ohmmeter.

③ Isat based on ΔL / L0A=10% typ.

TDR1012S Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR1012S-100MB01	10	±20%	25	5.3
TDR1012S-150MB01	15	±20%	40	5.2
TDR1012S-220KB01	22	±10%	45	3.6
TDR1012S-470KB01	47	±10%	76	2.5
TDR1012S-680KB01	68	±10%	95	2.1
TDR1012S-101KB01	100	±10%	145	1.7
TDR1012S-151KB01	150	±10%	190	1.52
TDR1012S-221KB01	220	±10%	320	1.20
TDR1012S-331KB01	330	±10%	420	1.0
TDR1012S-681KB01	680	±10%	830	0.65
TDR1012S-102KB01	1000	±10%	1350	0.50
TDR1012S-122KB01	1200	±10%	2500	0.42
TDR1012S-222KB01	2200	±10%	3000	0.35

TDR1016S Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance Tolerance	DCR max. (mΩ) ②	Isat Typ. (A) ③
TDR1016S-221KB01	220	±10%	220	1.5
TDR1016S-241KB01	240	±10%	320	1.4
TDR1016S-471KB01	470	±10%	650	1.2
TDR1016S-102KB01	1000	±10%	1200	0.75
TDR1016S-222KB01	2200	±10%	2200	0.32

TDR1419S Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance tolerance	DCR (mΩ) ②	Isat max. (A) ③	Irms typ. (A) ④
TDR1419S-501KB01	500	±10%	350 ± 25%	2.5	1.6
TDR1419S-571KB01	570	±10%	370 ± 25%	2.4	1.5
TDR1419S-102KB01	1000	±10%	480 ± 30%	1.5	1.3

TDR1618S Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance tolerance	DCR typ (mΩ) ②	Isat Typ. (A) ③	Irms Typ. (A) ④
TDR1618S-350KB01	35	±10%	40	14	6.5

① Inductance Test Freq:1kHz / 0.25V.

② DCR measured on a micro-ohmmeter.

③ Isat based on ΔL / L0A=10% typ.

④ Irms based on Temp. rise 40°C typ.

Custom Design is also available to meet your exact requirements

All specifications are subject to change without notice.