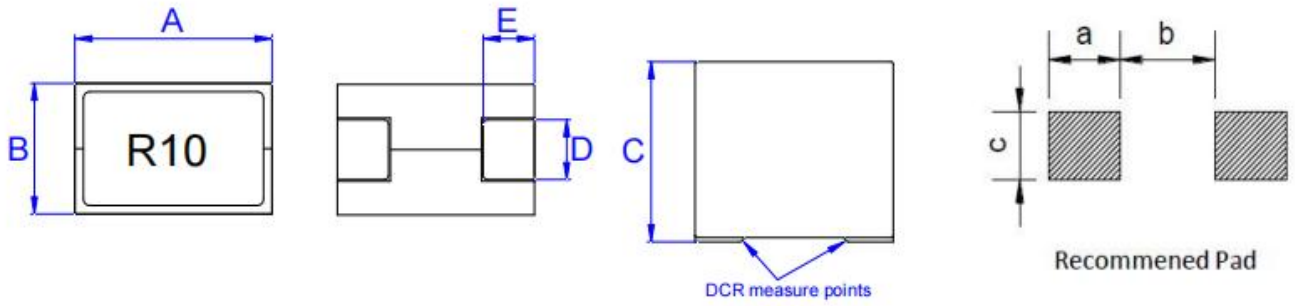
一 特征 FEATURES

- 大电流
- 低损耗
- 铁氧体磁芯材料
- 频率范围高达 2 MHz

二 用途 APPLICATIONS

V core 调节器，电压调节器模块(VRM)，高功率密度 VRM 服务器，桌面中央处理器(CPU)，双倍速率同步动态随机存储器(DDR)和开关电源输出扼流圈。

三 形状和尺寸 EXTRENAL DIMENSION



Unit: mm

Series	A	B	C	D	E	a	b	c
GDSI2E656510	6.5 Max	6.5 Max	10.2 Max	3.7 ± 0.3	1.8 ± 0.3	2.0	2.6	4.3
GDSI2E076711	7.0 Max	6.7 Max	11.1 Max	3.7 ± 0.3	1.8 ± 0.3	2.3	2.3	4.3
GDSI2E080612	8.2 Max	6.4 Max	12.15Max	3.1 ± 0.3	2.2 ± 0.3	2.6	2.9	3.7
GDSI2E966408	9.6 Max	6.4 Max	8.1 Max	2.15 ± 0.3	2.5 ± 0.3	3.2	3.4	2.75
GDSI2E966409	9.6 Max	6.4 Max	9.0 Max	2.6 ± 0.3	2.5 ± 0.3	3.25	3.5	3.1
GDSI2E966410	9.6 Max	6.6 Max	10.0 Max	3.2 ± 0.3	2.7 ± 0.3	3.7	3.0	3.8
GDSI2E100612	10.0 Max	6.0 Max	12.2 Max	2.4 ± 0.3	3.3 ± 0.3	3.55	7.1	3.0
GDSI2E100710	10.7 Max	7.5 Max	9.7 Max	2.8 ± 0.3	2.8 ± 0.3	4.00	4.0	3.8
GDSI2E100712	10.7 Max	7.6 Max	12.2 Max	3.1 ± 0.3	2.8 ± 0.3	3.1	4.1	3.7
GDSI2E161515	16.0 Max	14.2 Max	15.2 Max	6.8±0.3	4.2 ± 0.3	4.9	9.6	7.3

GDSI2E 100612 - R15 L - R125

① ② ③ ④ ⑤

①产品系列 Product Symbol

②产品尺寸 Dimensions

③电感量 Inductance R15 表示 0.15μH

④公差 Tolerance K 表示±10% L 表示±15% M 表示±20%

⑤电阻值 DC Resistance R125 表示 0.125mΩ

四 规格特性 SPECIFICATIONS

Part Number	Inductance (nH)	Inductance Tolerance	DCR Resistance (mΩ)	Saturation Current (A)	Temperature Rise Current (A)
GDSI2E656510-R10L-R17	100	±15%	0.17±10%	80	70
GDSI2E656510-R12L-R17	120	±15%	0.17±10%	65	70
GDSI2E656510-R15L-R17	150	±15%	0.17±10%	52	70
GDSI2E656510-R18L-R17	180	±15%	0.17±10%	39	70
GDSI2E656510-R22L-R17	220	±15%	0.17±10%	33	70
GDSI2E076711-70NL-R145	70	±15%	0.145±10%	134	76
GDSI2E076711-R10L-R145	100	±15%	0.145±10%	93	76
GDSI2E076711-R12L-R145	120	±15%	0.145±10%	76	76
GDSI2E076711-R15L-R145	150	±15%	0.145±10%	60	76
GDSI2E080612-R12L-R18	120	±15%	0.18±10%	100	61
GDSI2E080612-R15L-R18	150	±15%	0.18±10%	80	61
GDSI2E966408-R10L-R29	100	±15%	0.29±5%	94	51
GDSI2E966408-R12L-R29	120	±15%	0.29±5%	79	51
GDSI2E966408-R15L-R29	150	±15%	0.29±5%	65	51
GDSI2E966408-R18L-R29	180	±15%	0.29±5%	55	51

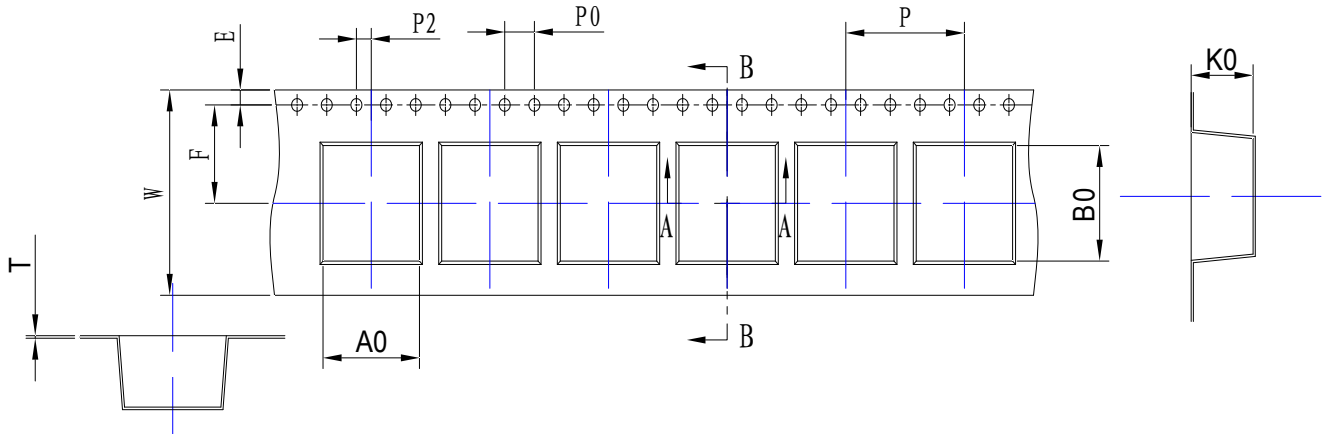
GDSI2E966408-R22L-R29	220	±15%	0.29±5%	45	51
GDSI2E966409-R10L-R17	100	±15%	0.17±10%	100	66
GDSI2E966409-R12L-R17	120	±15%	0.17±10%	94	66
GDSI2E966409-R15L-R17	150	±15%	0.17±10%	75	66
GDSI2E966409-R30L-R17	300	±15%	0.17±10%	33	66
GDSI2E966410-70NL-R12	70	±15%	0.12 Max	145	84
GDSI2E966410-R10L-R12	100	±15%	0.12 Max	108	84
GDSI2E966410-R12L-R12	120	±15%	0.12 Max	85	84
GDSI2E966410-R15L-R12	150	±15%	0.12 Max	67	84
GDSI2E966410-R18L-R12	180	±15%	0.12 Max	56	84
GDSI2E966410-R22L-R12	220	±15%	0.12 Max	46	84
GDSI2E966410-R28L-R12	280	±15%	0.12 Max	36	84
GDSI2E100710-70NL-R17	70	±15%	0.17±10%	165	68
GDSI2E100710-R10L-R17	100	±15%	0.17±10%	135	68
GDSI2E100710-R12L-R17	120	±15%	0.17±10%	107	68
GDSI2E100710-R15L-R17	150	±15%	0.17±10%	92	68
GDSI2E100710-R20L-R17	200	±15%	0.17±10%	68	68
GDSI2E100710-R22L-R17	220	±15%	0.17±10%	62	68
GDSI2E100710-R33L-R17	330	±15%	0.17±10%	37	68
GDSI2E100710-R68L-R81	680	±15%	0.81±10%	36	30
GDSI2E100712-R20L-R15	200	±15%	0.15±10%	95	75
GDSI2E100712-R27L-R15	270	±15%	0.15±10%	60	75
GDSI2E100612-70NL-R125	70	±15%	0.125±10%	175	70
GDSI2E100612-R10L-R125	100	±15%	0.125±10%	125	70
GDSI2E100612-R12L-R125	120	±15%	0.125±10%	105	70
GDSI2E100612-R15L-R125	150	±15%	0.125±10%	83	70
GDSI2E100612-R22L-R125	220	±15%	0.125±10%	52	70

GDSI2E161515-R30L-R09	300	±15%	0.089±10%	125	115
GDSI2E161515-R56L-R09	560	±15%	0.089±10%	60	115

Note:
1. Inductance: Test at 100KHz / 1.0Vrms, 0.0Adc
2. DC Resistance: Test at 25 °C ambient.
3. Saturation Current: DC current that will cause initial Inductance to drop approximately 20%.
4. Temperature Rise Current: DC current that will cause an approximate ΔT 40°C.
5. All test data is referenced to 25°C ambient.

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五 包装规格 PACKAGING DIMENSIONS



Unit: mm

Series	Ao(mm)	Bo(mm)	Ko(mm)	P(mm)	T(mm)	W(mm)	PCS/REEL
GDSI2E656510	6.6±0.1	6.6±0.1	10.1±0.1	16.0±0.1	0.4±0.05	24.0±0.3	400
GDSI2E076711	6.8±0.1	7.2±0.1	11.2±0.1	12.0±0.1	0.5±0.05	24.0±0.3	400
GDSI2E080612	6.7±0.1	8.1±0.1	11.8±0.1	16.0±0.1	0.5±0.05	24.0±0.3	300
GDSI2E966408	6.5±0.1	9.6±0.1	8.4±0.1	12.0±0.1	0.5±0.05	24.0±0.3	500
GDSI2E966409	6.7±0.1	10.7±0.1	10.2±0.1	12.0±0.1	0.5±0.05	24.0±0.3	500
GDSI2E966410	6.7±0.1	10.7±0.1	10.2±0.1	12.0±0.1	0.5±0.05	24.0±0.3	500
GDSI2E100612	6.2±0.1	10.2±0.1	12.2±0.1	16.0±0.1	0.5±0.05	24.0±0.3	300
GDSI2E100710	7.2±0.1	10.2±0.1	10.2±0.1	16.0±0.1	0.4±0.05	24.0±0.3	400
GDSI2E100712	7.6±0.1	11.7±0.1	12.6±0.1	16.0±0.1	0.5±0.05	24.0±0.3	300
GDSI2E161515	14.0±0.1	16.5±0.1	15.3±0.1	24.0±0.1	0.5±0.05	32.0±0.3	150