一 特征 FEATURES

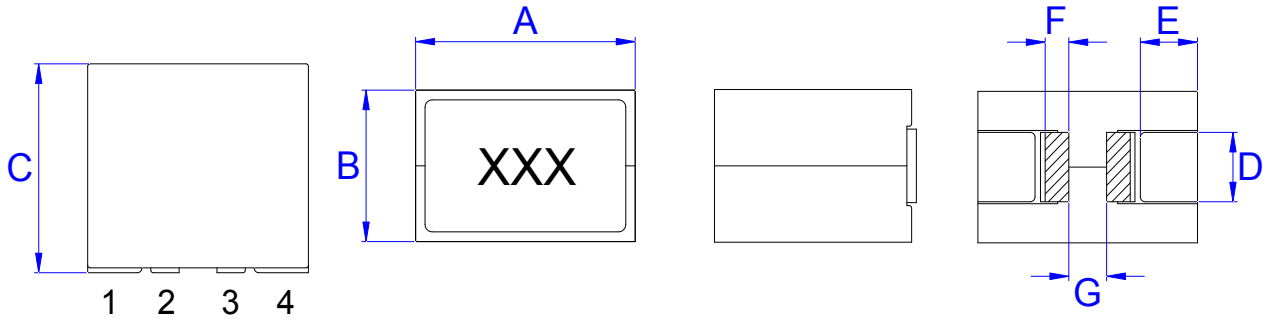
- 铁氧体的 TLVR 电感器, 具有较低的磁芯损耗
- 铁氧体高 Bs 材料,饱和电流佳
- 精确的 DCR 值
- 工作频率高达 5MHz

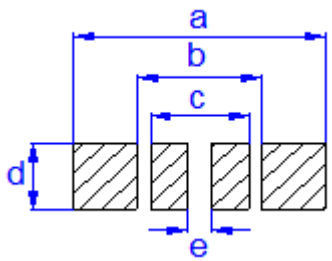


二 用途 APPLICATIONS

- PMIC 多相电压调节器
- 新型结构电压调节器模块（TLVR）
- PC、Server、IPC、VRM 和 EVRD
- 数据网络和存储系统
- 图形卡、电池电源系统和 PMIC 控制
- 负载点模块（POL）

三 形状和尺寸 EXTRENAL DIMENSION





Recommended PCB Layout

Unit: mm

Series	A	B	C	D	E	F	G
GDSI2E120611	11.7 ± 0.3	5.8 ± 0.3	11.2 Max	2.5 ± 0.2	2.4 ± 0.3	1.2 ± 0.3	1.4 Ref
GDSI2E966410	9.4 ± 0.2	6.2 ± 0.2	10.5 Max	3.2 ± 0.2	2.0 ± 0.3	0.7 ± 0.3	1.6 Ref

Recommended PCB Layout

Series	a	b	c	d	e	/	/
GDSI2E120611	12.3	6.8	4.3	3.1	1.0		
GDSI2E966410	10.1	5.9	3.6	3.8	1.0		

GDSI2E 120611 - R10 M - R125 - 2D
① ② ③ ④ ⑤ ⑥

①产品系列 Series Name

②产品尺寸 Dimensions

③电感量 Inductance R10 表示 0.1μH

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

⑤DCR 值 DC Resistance

⑥双端子 Double Clip

四 规格特性 SPECIFICATIONS

GDSI2E120611 系列

Part Number	L(nH) ±15%	DCR1-4 (mΩ) ±10%	DCR2-3 (mΩ) ±10%	I-Sat1-4 (Amps)		I-rms1-4 (Amps)	I-rms2-3 (Amps)
				@25℃	@100℃		
GDSI2E120611-R10L-R125-2D	105	0.125	0.37	115	106	77	45
GDSI2E120611-R12L-R125-2D	120			102	87		
GDSI2E120611-R15L-R125-2D	150			84	71		
GDSI2E120611-R17L-R125-2D	170			70	60		
GDSI2E120611-R20L-R125-2D	200			58	50		

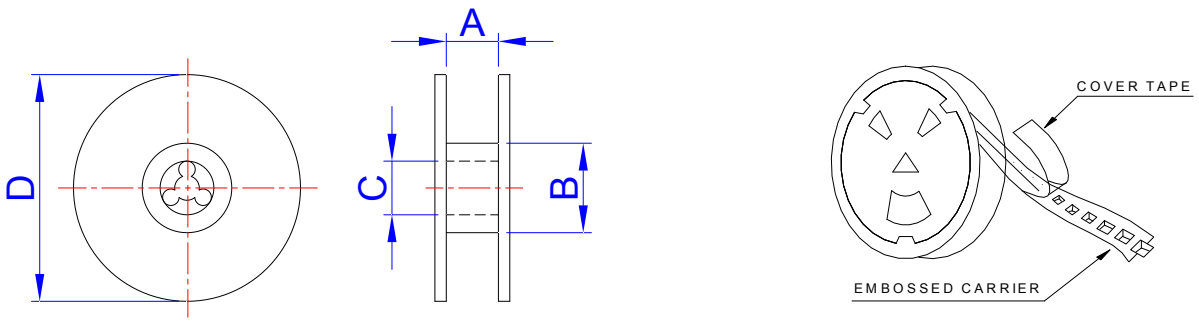
GDSI2E966410 系列

Part Number	L(nH) ±15%	DCR1-4 (mΩ) ±10%	DCR2-3 (mΩ) ±10%	I-Sat1-4 (Amps)		I-rms1-4 (Amps)	I-rms2-3 (Amps)
				@25℃	@100℃		
GDSI2E966410-R10L-R125-2D	100	0.125	0.33	98	83	75	40
GDSI2E966410-R12L-R125-2D	120			79	67		
GDSI2E966410-R15L-R125-2D	150			62	53		
GDSI2E966410-R18L-R125-2D	180			54	46		
GDSI2E966410-R22L-R125-2D	220			47	40		

Note:
1. Inductance: Test at 100KHz / 1.0Vrms, 0.0Adc
2. DC Resistance: Test at 25 °C ambient.
3. I-Sat: DC current that will cause initial Inductance to drop approximately 30%.
4. I-rms: DC current that will cause an approximate ΔT 40°C.
5. All test data is referenced to 25°C ambient.

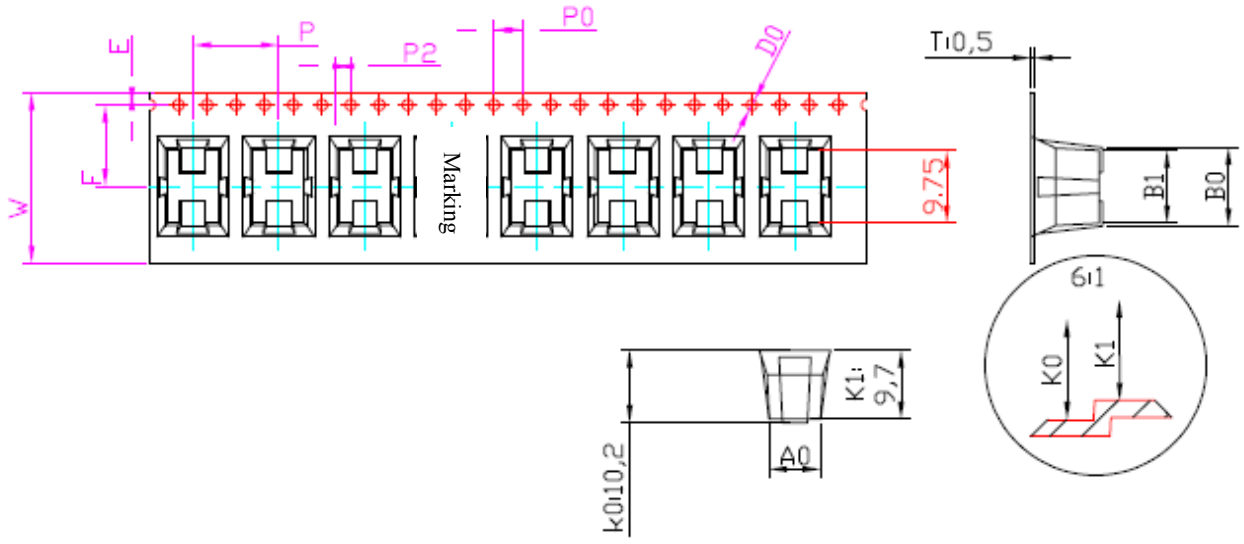
五 包装规格 PACKAGING DIMENSION

1. Reel Dimension Schematic Diagram (mm) :



Type	A(mm)	B(mm)	C(mm)	D(mm)
13" x 24mm	24.0 ± 0.5	100 ± 2	13.5 ± 0.5	330(REF)

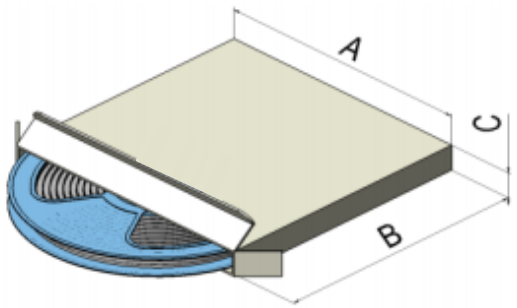
2. Tape Dimension Schematic Diagram (mm) :

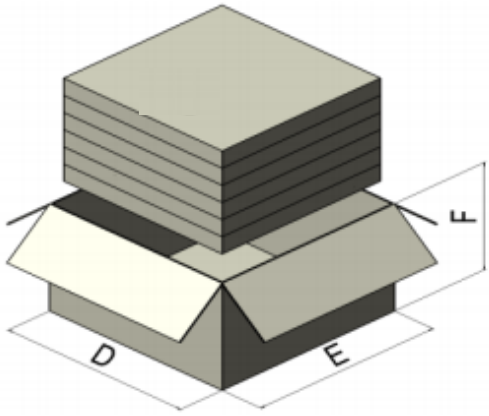


Unit: mm

Series	W	A0	B0	K0	P	T	PCS/REEL
GDSI2E120611	24.0±0.3	6.2±0.1	12.7±0.1	12.2±0.1	12.0±0.1	0.5±0.05	400
GDSI2E966410	24.0±0.3	6.7±0.1	10.7±0.1	10.2±0.1	12.0±0.1	0.5±0.05	500

3. Box Package Schematic Diagram :





Unit: mm

Series	A	B	C	D	E	F	PCS/REEL
GDSI2E120611	345	345	68	368	368	310	3200
GDSI2E966410	345	345	68	368	368	310	4000