SPECIFICATION FOR APPROVAL

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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

*PMIC 多相电压调节器

*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、产品识别 PRODUCT IDENTIFICATION

CDSI2E 120611 . R10 M . R125 . 2D

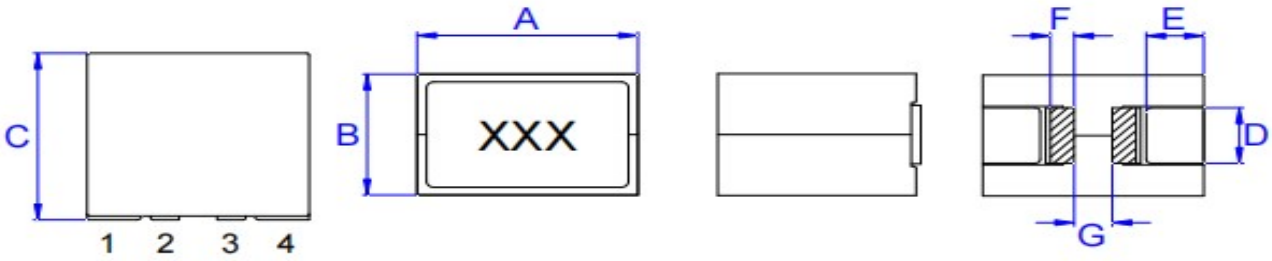
① ② ③ ④ ⑤ ⑥

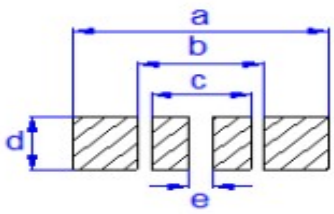
①产品系列 Series Name
②产品尺寸 Dimensions
③电感量 Inductance R10 表示 0.1μH
④公差 Inductance Tolerance K 表示± 10% L 表示± 15% M 表示±20%
⑤DCR 值 DC Resistance
⑥双端子 Clip

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四、形状和尺寸 EXTRENAL DIMENSION





Recommended PCB Layout

Unit:mm

Series	A	B	C	D	E	F	G
CDSI2E966410	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
CDSI2E120611	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

Recommended PCB Layout Unit:mm

Series	a	b	c	d	e	/	/
CDSI2E966410	10.1 Ref	5.9 Ref	3.6 Ref	3.8 Ref	1.0 Ref		
CDSI2E120611	12.3 Ref	6.8 Ref	4.3 Ref	3.1 Ref	1.0 Ref		

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五、规格特性 SPECIFICATIONS

*CDSI2E966410 Series

Part Number	L(nH) ±15%	DCR1-4 mΩ±10%	DCR2-3 mΩ±10%	Isar1-4(Amps0		Irms1-4 (Amps)	Irms2-3 (Amps)
				@25℃	@100℃		
CDSI2E966410-R10L-R125-2D	100	0.125	0.33	98	83	75	40
CDSI2E966410-R12L-R125-2D	120			79	67		
CDSI2E966410-R15L-R125-2D	150			62	53		
CDSI2E966410-R18L-R125-2D	180			54	46		
CDSI2E966410-R22L-R125-2D	220			47	40		

*CDSI2E120611 Series

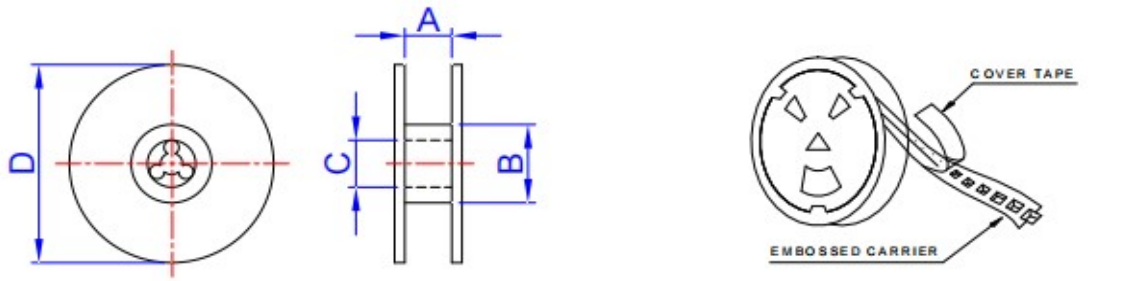
Part Number	L(nH) ±15%	DCR1-4 mΩ±10%	DCR2-3 mΩ±10%	Isar1-4(Amps0		Irms1-4 (Amps)	Irms2-3 (Amps)
				@25℃	@100℃		
CDSI2E120611-R10L-R125-2D	100	0.125	0.37	115	106	77	45
CDSI2E120611-R12L-R125-2D	120			102	87		
CDSI2E120611-R15L-R125-2D	150			84	71		
CDSI2E120611-R17L-R125-2D	170			70	60		
CDSI2E120611-R20L-R125-2D	200			58	50		

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

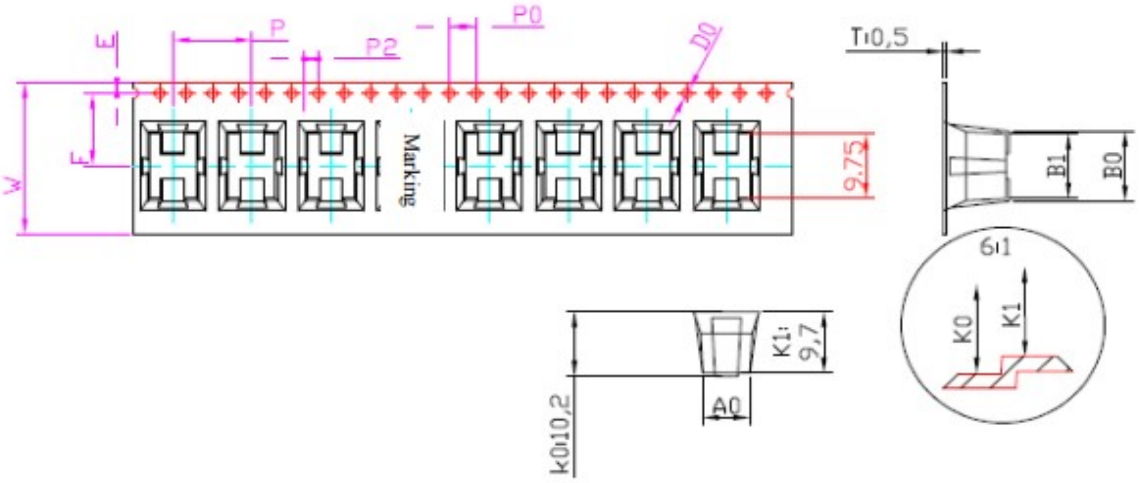
六、包装规格 PACKAGING DIMENSION

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)

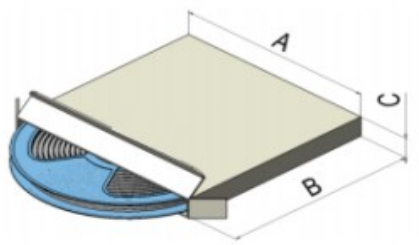
2. Tape Dimension Schematic Diagram (mm) :

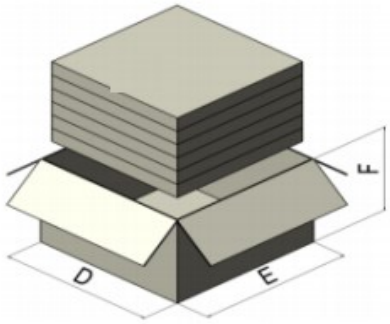


Unit:mm

Series	W	AO	BO	KO	P	T	PCS/REEL
CDSI2E966410	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
CDSI2E120611	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

3. Box Package Schematic Diagram :





Unit:mm

Series	A	B	C	D	E	F	PCS/REEL
CDSI2E966410	345	345	68	368	368	310	4000
CDSI2E120611	345	345	68	368	368	310	3200

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