一 特征 FEATURES

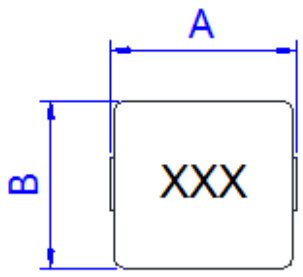
- 磁屏蔽结构
- 大电流
- 低损耗材质
- 超低嗡嗡声噪音
- 在不饱和的情况下处理高瞬态电流峰值

二 用途 APPLICATIONS

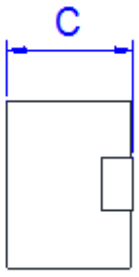
非常适用于电源线 DC-DC 转换应用，尤其适用于电源开关、个人电脑、工业电脑和其他大电流 DC 输出设计.

三 形状和尺寸 EXTRENAL DIMENSION

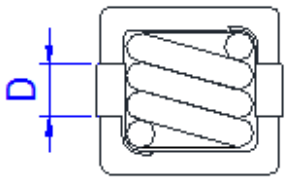
注：XXX 表示印字



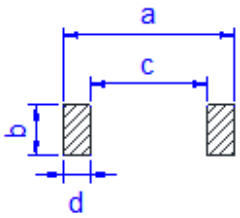
TOP VIEW



SIDE VIEW



BOTTOM VIEW



PCB PATTERN

Unit: mm

Series	A	B	C	D	E	a	b	c	d
GDSPLS0807MN	8.4 ± 0.4	7.9 ± 0.4	7.0 ± 0.5	2.3 ± 0.2	1.5 ± 0.2	9.0	3.0	4.4	2.3
GDSPLS1009MN	10.9 ± 0.4	10.0 ± 0.4	9.3 ± 0.4	3.0 ± 0.2	1.6 ± 0.2	11.3	3.6	6.9	2.2
GDSPLS1210MN	12.1 ± 0.3	11.4 ± 0.3	9.5 ± 0.5	3.5 ± 0.3	2.0 ± 0.2	12.8	5.4	7.0	2.9

GDSPLS 0807 - 1R0 M
① ② ③ ④

①产品系列 Product Symbol

②产品尺寸 Dimensions

③电感量 Inductance 1R0 表示 1.0μH

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

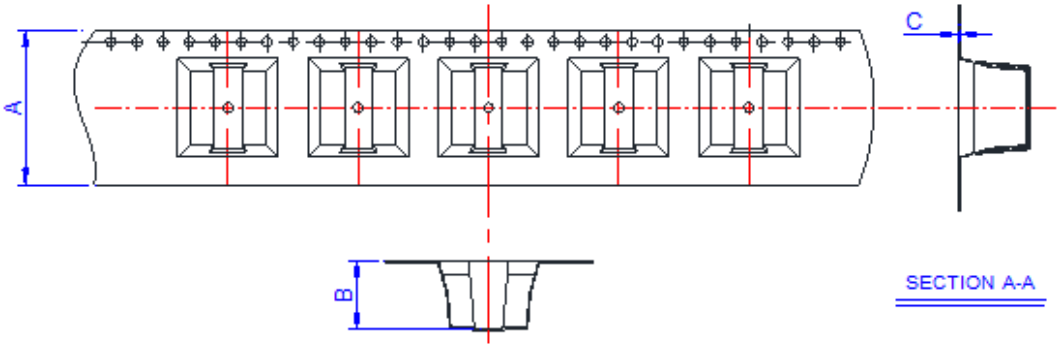
四 规格特性 SPECIFICATIONS

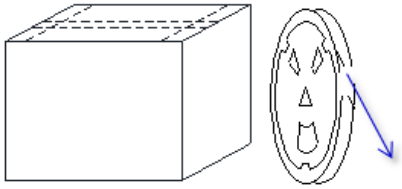
Part Number	Inductance ±20% (uH)	DCR Max (mΩ)	Temperature Rise Current (A)	Saturation Current (A)
GDSPLS0807MN-R30M	0.30	2.70	16.0	27.0
GDSPLS0807MN-R47M	0.47	3.10	15.0	25.0
GDSPLS0807MN-R68M	0.68	3.10	15.0	17.0
GDSPLS0807MN-1R0M	1.00	4.30	13.0	15.0
GDSPLS0807MN-1R5M	1.50	5.60	10.0	11.0
GDSPLS0807MN-2R2M	2.20	5.60	10.0	8.0
GDSPLS0807MN-3R3M	3.30	8.20	8.0	5.0
GDSPLS0807MN-4R7M	4.70	13.50	6.0	5.0
GDSPLS0807MN-6R8M	6.80	24.00	5.0	4.0
GDSPLS0807MN-100M	10.00	41.00	3.0	3.0
GDSPLS1009MN-R22M	0.22	1.60	22.0	55.0
GDSPLS1009MN-R33M	0.33	1.60	22.0	42.0
GDSPLS1009MN-R47M	0.47	1.85	20.0	36.0
GDSPLS1009MN-R68M	0.68	2.65	17.0	28.0
GDSPLS1009MN-R82M	0.82	2.65	17.0	24.0
GDSPLS1009MN-1R0M	1.00	2.65	17.0	21.0
GDSPLS1009MN-1R5M	1.50	4.00	13.5	17.0

GDSPLS1009MN-2R2M	2.20	4.80	12.0	14.0
GDSPLS1009MN-3R3M	3.30	7.15	11.0	10.0
GDSPLS1009MN-4R7M	4.70	9.90	10.0	8.5
GDSPLS1009MN-6R8M	6.80	15.00	9.0	7.0
GDSPLS1009MN-8R2M	8.20	15.00	9.0	6.0
GDSPLS1009MN-100M	10.00	23.10	7.0	5.0
GDSPLS1210MN-R22M	0.22	1.50	37.0	55.0
GDSPLS1210MN-R33M	0.33	1.50	37.0	45.0
GDSPLS1210MN-R47M	0.47	1.85	35.0	43.0
GDSPLS1210MN-R68M	0.68	1.85	35.0	33.0
GDSPLS1210MN-R82M	0.82	2.50	30.0	31.0
GDSPLS1210MN-1R0M	1.00	2.50	30.0	28.0
GDSPLS1210MN-1R5M	1.50	3.50	25.0	24.0
GDSPLS1210MN-2R2M	2.20	4.30	21.0	18.0
GDSPLS1210MN-3R3M	3.30	5.70	15.0	14.0
GDSPLS1210MN-4R7M	4.70	7.90	12.0	11.0
GDSPLS1210MN-6R8M	6.80	11.00	10.0	9.0
GDSPLS1210MN-8R2M	8.20	11.80	9.0	7.0
GDSPLS1210MN-100M	10.00	16.70	8.0	6.0

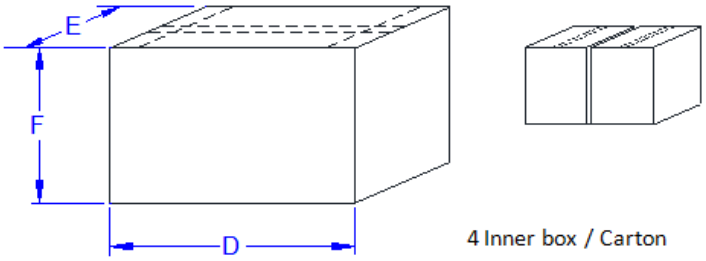
Note:
1. Inductance: Test at 100KHz / 1.0Vrms, 0.0Adc
2. DC Resistance: Test at 25 °C ambient.
3. Saturation Current: DC current that will cause initial Inductance to drop approximately 20%.
4. Temperature Rise Current: DC current that will cause an approximate ΔT 40°C.
5. All test data is referenced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

五 包装规格 PACKAGING DIMENSIONS





2 reel/ inner box



4 Inner box / Carton

Unit: mm

Series	Plate			Carton			Quantity
	A	B	C	D	E	F	PCS
GDSPLS0807	24	7	0.4	368	368	310	4,000
GDSPLS1009	24	10.2	0.4	368	368	310	3,200
GDSPLS1210	24	10.2	0.4	368	368	310	2,400