

SMD POWER INDUCTOR

CND-tek

磁联达



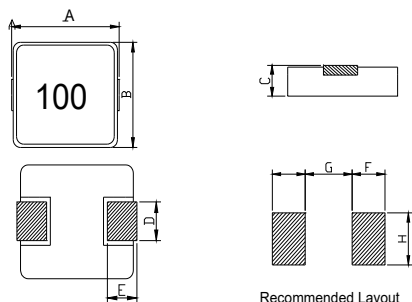
All test data is referenced to 25°C ambient.
Inductance measure condition at 100KHz, 1.0V.
Rated current: Isat or Irms, whichever is smaller.
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.

Temperature rise current(Irms): the actual value of DC current when the temperature rise is $\Delta T \leq 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).
Operating temperature range: $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self-heating).
Storage temperature range: $-55^\circ\text{C} \sim +125^\circ\text{C}$ (on board)

Electrical Specifications@25°C

Part Number	Impedance (uH)	DC Resistance (mΩ) max.	Saturation current (Isat)	Temperature rise current (Irms)
			(A)Typ.	(A)Typ.
CS0603C-100M-R	10.0±20%	72.0	7.0	3.5

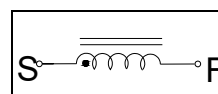
MECHANICAL



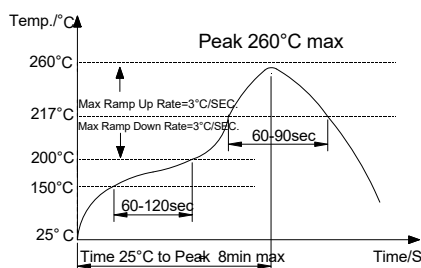
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	7.3max	6.8±0.3	3.0Max.	3.0±0.3	1.6±0.3	2.35	3.7	3.5

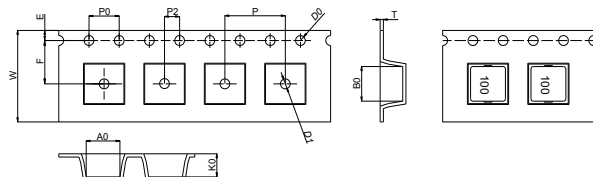
SCHEMATICS



MECHANICAL PERFORMANCE TEST



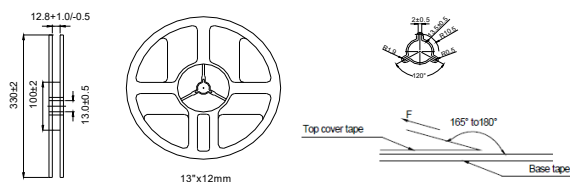
TAPING AND PACKING



ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	16.00 +0.3 -0.3	6.9 +0.1 -0.1	7.95 +0.1 -0.1	3.3 +0.1 -0.1	12.0 +0.1 -0.1	7.5 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.1 -0.0	1.50 +0.1 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.40 +0.05 -0.05

Quantity (pcs):
1000 PCS PER REEL
3 REELS PER CARTON
3000PCS PER CARTON

Reel



Dimensions in mm

Shenzhen magnetic Lianda Electronics Co., LTD

Address: 505, West Block, No. 221, Niucheng Road, Niucheng Village, Baiwang Community, Xili Street, Nanshan District, Shenzhen Tel:0755-27652992 29016433 E-mail: sales1@cd-tek.com Website:www.cd-tek.com