

SMD POWER INDUCTOR

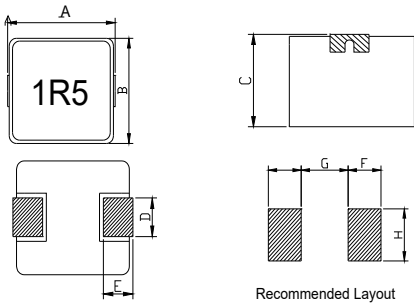
All test data is referenced to 25 C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current: Isat or Irms, whichever is smaller.
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms): the 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.
CS1004C-1R5M-R	1.5 ± 20%	4.8	33.0	16.0

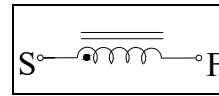
MECHANICAL



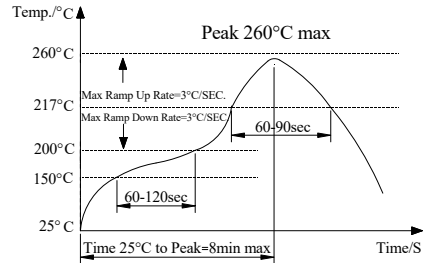
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	11.6 Max	10.2 ± 0.3	4.0 Max	3.0 ± 0.3	2.5 ± 0.5	4.1	5.4H	4.1

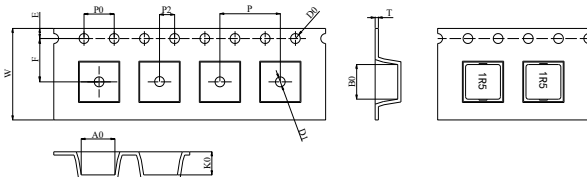
SCHEMATICS



MECHANICAL PERFORMANCE TEST



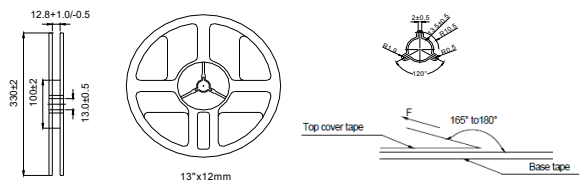
TAPING AND PACKING



ITEM	W	A0	B0	K0	K1	P	F	E	D0	D1	P0	P2	T
DIM	24.0 +0.3 -0.3	10.4 +0.1 -0.1	11.6 +0.1 -0.1	4.3 +0.1 -0.1	0.00 +0.0 -0.0	16.0 +0.1 -0.1	11.5 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.0 -0.1	1.50 +0.0 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.40 +0.1 -0.1

Quantity (pcs):
500 PCS PER REEL
2 REELS PER CARTON
1000 PCS PER CARTON

Reel



Dimensions in mm