SMD POWER INDUCTOR

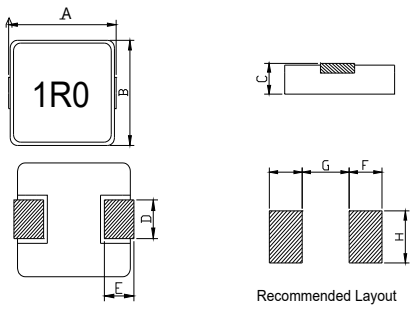
CND-tek
磁联达

All test data is referenced to 25℃ 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 △T≤40℃ (Ta=25℃) . Operating temperature range: -40℃ ~ +125℃ (Including self-heating).
Storage temperature range: -40℃~+125℃(on board)

ElectricalSpecifications@25°C

Part Number	Impedance (uH)	DC Resistance (mΩ) max.	Saturation current (Isat)	Temperature rise current (Irms)	
			(A)Typ.	(A)Typ.	
CS0502C-1R0M-R	1.0±20%	25.0	8.7	6.1	

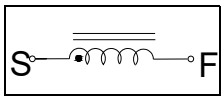
MECHANICAL



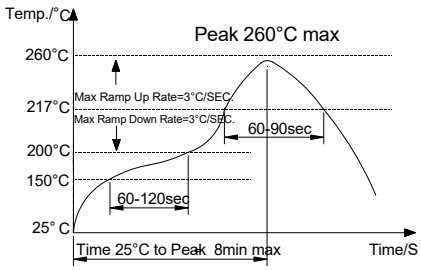
Electrode Coplanarity:0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	5.5±0.3	5.0±0.3	2.2Max.	2.3±0.2	1.2±0.3	1.9	2.2	2.5

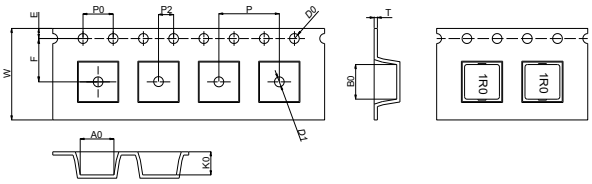
SCHEMATICS



MECHANICAL PERFORMANCE TEST



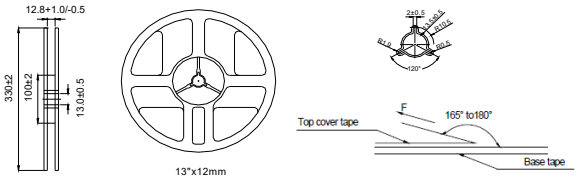
TAPING AND PACKING



ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	16.00 +0.3 -0.3	5.4 +0.1 -0.1	6.0 +0.1 -0.1	2.3 +0.1 -0.1	8.00 +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	0.35 +0.05 -0.05

Quantity (pcs):
3000 PCS PER REEL
3REELS PER CARTON
9000PCS PER CARTON

Reel



Dimensions in mm

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