

SMD POWER INDUCTOR

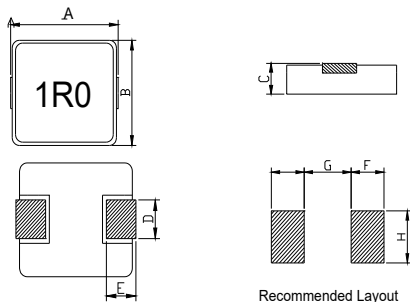
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller.
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms):the 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: $-40^{\circ}\text{C} \rightarrow +125^{\circ}\text{C}$ (on board)



Electrical Specifications@25°C

Part Number	Impedance (μH)	DC Resistance (m Ω) max.	Saturation current (Isat)	Temperature rise current (Irms)	
			(A)Typ.	(A)Typ.	
0602A-1R0M H	$1.0 \pm 20\%$	24.0	13.0	5.5	

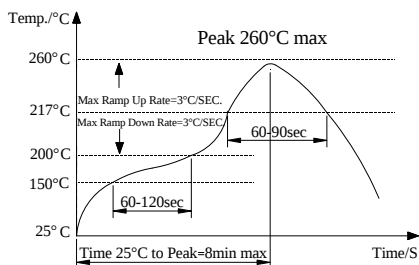
MECHANICAL



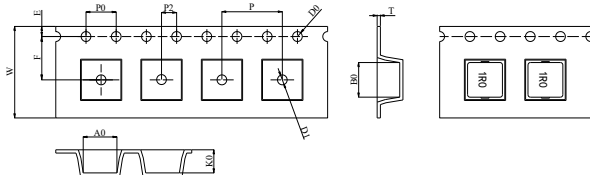
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	7.3 ± 0.30	6.8 ± 0.3	3.0Max	3.0 ± 0.3	1.6 ± 0.5	2.35	3.7	3.5

MECHANICAL PERFORMANCE TEST



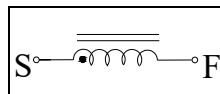
TAPING AND PACKING



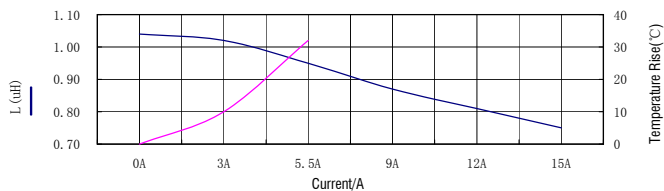
ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	16.00 +0.3 -0.3	6.9 +0.1 -0.1	8.05 +0.1 -0.1	2.2 +0.1 -0.1	12.0 +0.1 -0.1	7.5 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.1 -0.0	1.50 +0.1 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.40 +0.05 -0.05

Quantity (pcs):
2000 PCS PER REEL
3 REELS PER CARTON
6000PCS PER CARTON

SCHEMATICS



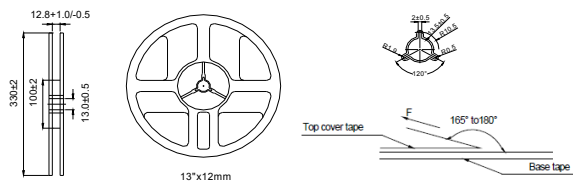
CURRENT CHARACTERISTIC



CURRENT CHARACTERISTIC

L/ μH	1.04	1.02	0.95	0.87	0.81	0.75	
TR/°C	0	10	32				
Current/A	0A	3.0A	5.5A	9.0A	12.0A	15.0A	

Reel



Dimensions in mm