

SMD POWER INDUCTOR

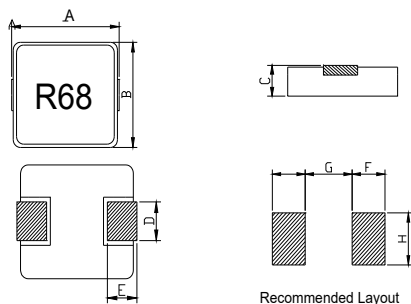
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller.
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms):the 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.	
0603A-R68M H	$0.68 \pm 20\%$	7.5	23.0	15.0	

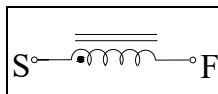
MECHANICAL



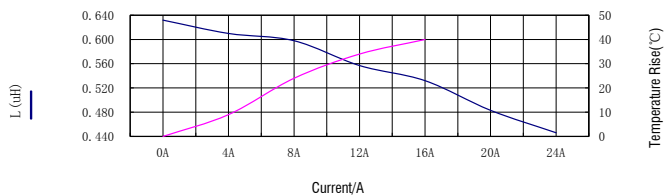
Electrode Coplanarity:0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	7.3max	6.6 ± 0.3	3.0Max	3.0 ± 0.3	1.55 ± 0.3	2.35	3.7	3.5

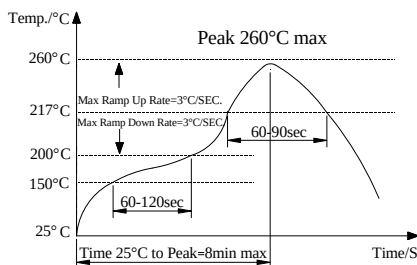
SCHEMATICS



CURRENT CHARACTERISTIC



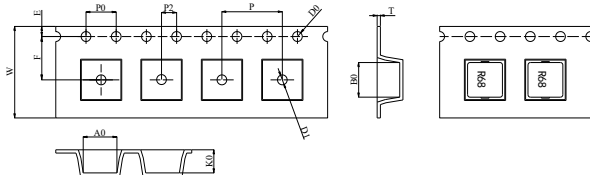
MECHANICAL PERFORMANCE TEST



CURRENT CHARACTERISTIC

L/ μH	0.632	0.610	0.598	0.577	0.532	0.483	0.446
TR/°C	0	9	24	34	40		
Current/A	0A	4.0A	8.0A	12.0A	16.0A	20.0A	24.0A

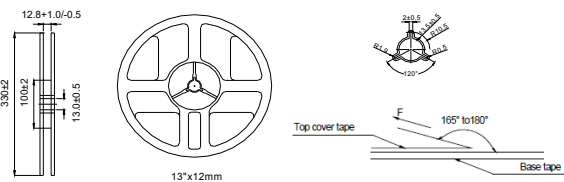
TAPING AND PACKING



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