

SMD POWER INDUCTOR

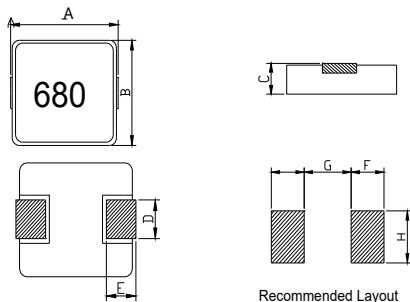
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller).
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms): 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: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (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.	
1005A-680M H	$68 \pm 20\%$	235.0	3.0	2.4	

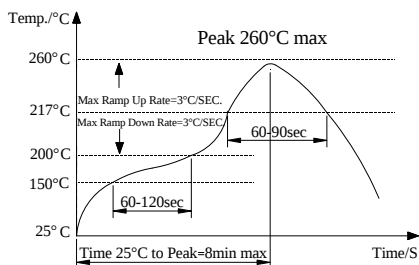
MECHANICAL



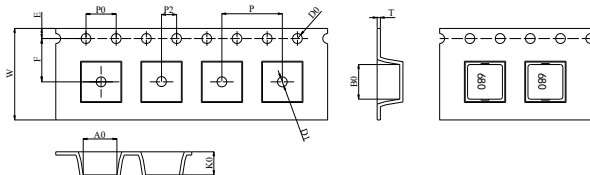
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	11.6MAX	10.2 ± 0.3	5.0MAX	3.0 ± 0.3	2.5 ± 0.5	4.1	5.4	4.1

MECHANICAL PERFORMANCE TEST



TAPING AND PACKING

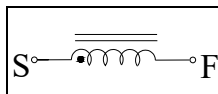


ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	24.00 +0.3 -0.3	10.4 +0.1 -0.1	11.6 +0.1 -0.1	5.2 +0.1 -0.1	16.0 +0.1 -0.1	11.5 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.1 -0.0	1.50 +0.1 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.40 +0.05 -0.05

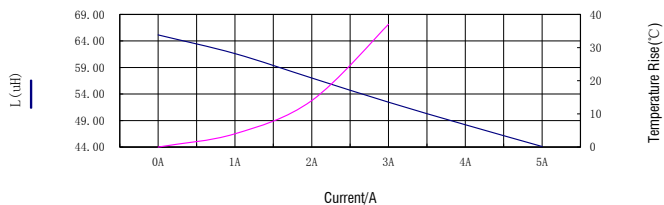
Quantity (pcs):

500 PCS PER REEL
2 REELS PER CARTON
1000PCS PER CARTON

SCHEMATICS



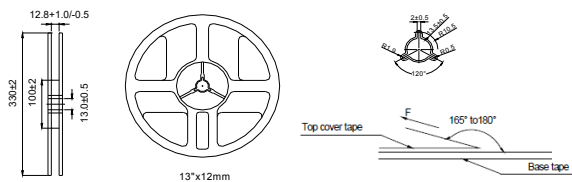
CURRENT CHARACTERISTIC



CURRENT CHARACTERISTIC

L/ μH	65.13	61.61	57.52	52.45	48.20	44.10	
TR/°C	0	4	14	37			
Current/A	0A	1.0A	2.0A	3.0A	4.0A	5.0A	

Reel



Dimensions in mm