

SMD POWER INDUCTOR

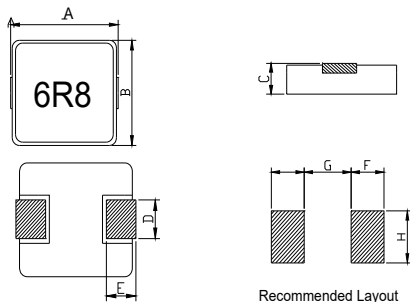
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller.
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms): the 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.	
1306A-6R8M H	$6.8 \pm 20\%$	15.0	18.0	9.0	

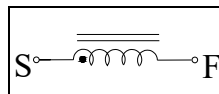
MECHANICAL



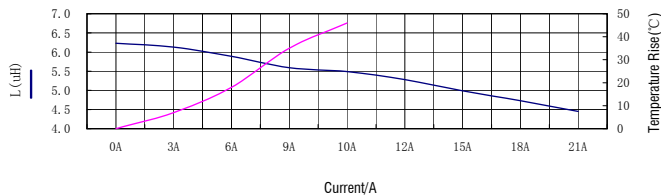
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	13.8MAX	12.8 ± 0.3	5.0MAX	3.2 ± 0.3	2.5 ± 0.5	3.25	8.0	5.5

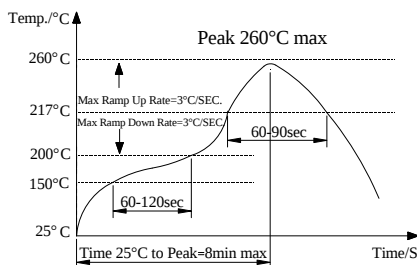
SCHEMATICS



CURRENT CHARACTERISTIC



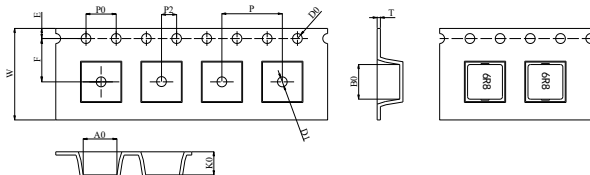
MECHANICAL PERFORMANCE TEST



CURRENT CHARACTERISTIC

L/ μH	6.23	6.13	5.89	5.59	5.49	5.28	4.99	4.73	4.45
TR/°C	0	4	13	38	46				
Current/A	0	3			10	12	15	18	21

TAPING AND PACKING

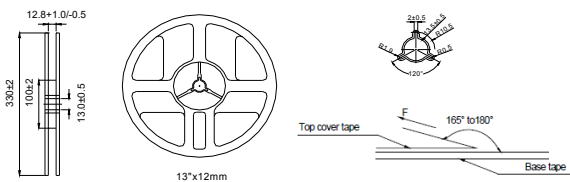


ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	24.00 +0.3 -0.3	13.3 +0.1 -0.1	14.5 +0.1 -0.1	6.5 +0.1 -0.1	20 +0.1 -0.1	11.5 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.1 -0.0	1.50 +0.1 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.40 +0.05 -0.05

Quantity (pcs):

400 PCS PER REEL
2 REELS PER CARTON
800PCS PER CARTON

Reel



Dimensions in mm