

SMD POWER INDUCTOR

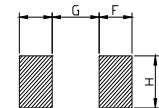
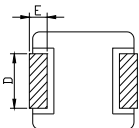
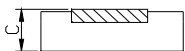
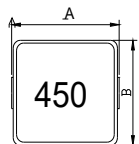
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller).
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms): 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.	
1707A-450M H	45.0 $\pm$ 20%	65.0	10.0	5.0	

MECHANICAL

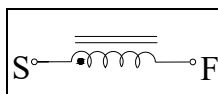


Recommended Layout

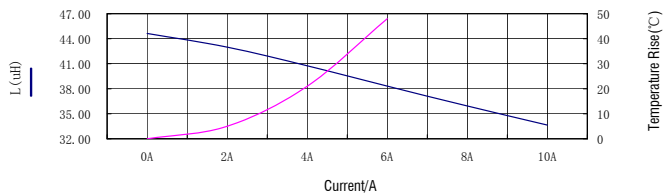
Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	18.3MAX	17.0 $\pm$ 0.3	7.1MAX	12.0 $\pm$ 0.3	3.0 $\pm$ 0.5	3.75	11.5	14.3

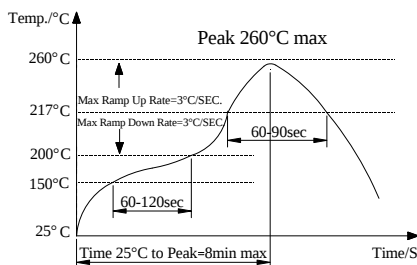
SCHEMATICS



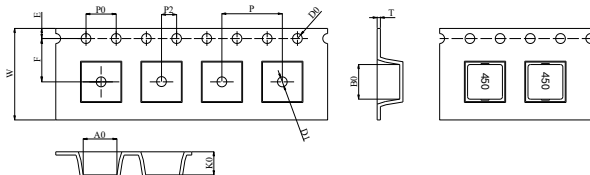
CURRENT CHARACTERISTIC



MECHANICAL PERFORMANCE TEST



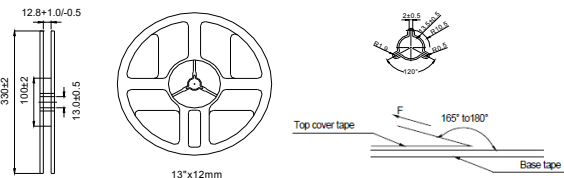
TAPING AND PACKING



ITEM	W	A0	B0	K0	K1	P	F	E	D0	D1	P0	P2	T
DIM	32.0 +0.3 -0.3	17.3 +0.1 -0.1	18.6 +0.1 -0.1	7.1 +0.1 -0.1	0.00 +0.0 -0.0	32.0 +0.1 -0.1	14.2 +0.1 -0.1	1.75 +0.1 -0.1	1.50 +0.1 -0.1	1.50 +0.0 -0.0	4.00 +0.1 -0.1	2.00 +0.1 -0.1	0.50 +0.1 -0.1

Quantity (pcs):
200 PCS PER REEL
3 REELS PER CARTON
600PCS PER CARTON

Reel



Dimensions in mm