

SMD POWER INDUCTOR

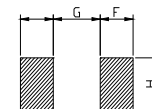
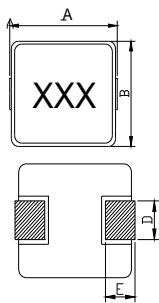
All test data is referenced to 25 °C ambient.
Inductance measure condition at 100kHz, 1.0V.
Rated current(Isat or Irms, whichever is smaller).
Saturation current(Isat): the actual value of DC current when the inductance decrease approximately 30% of its initial value.
Temperature rise current(Irms): the actual value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).
Absolute maximum voltage 30VDC.
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)Max.	(A)Typ.	(A)Max.	(A)Typ.	
0630-100-M H	$10.0 \pm 20\%$	72.0	5.5	6.0	3.5	4.0	
0630-150-M H	$15.0 \pm 20\%$	128.0	3.5	4.2	2.8	3.2	
0630-1R0-M H	$1.00 \pm 20\%$	10.0	16.5	19.0	11.5	12.5	
0630-1R5-M H	$1.50 \pm 20\%$	16.0	14.2	15.5	9.0	10.0	
0630-2R2-M H	$2.2 \pm 20\%$	20.0	11.0	12.0	8.0	8.7	
0630-3R3-M H	$3.30 \pm 20\%$	35.0	9.0	11.0	6.0	6.5	
0630-4R7-M H	$4.70 \pm 20\%$	40.0	8.0	9.0	5.0	5.5	
0630-6R8-M H	$6.80 \pm 20\%$	59.0	6.5	7.2	4.0	4.5	

MECHANICAL

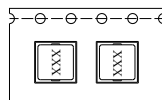
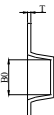
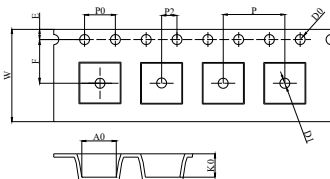


Recommended Layout

Electrode Coplanarity: 0.1mm Max.

POSITION	A	B	C	D	E	F	G	H
DIMENSION	7.3 ± 0.35	6.8 ± 0.3	3.0Max.	3.0 ± 0.2	1.6 ± 0.5	2.35	3.7	3.5

TAPING AND PACKING



Pulling Direction

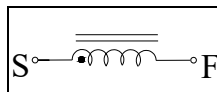
UNIT:mm

ITEM	W	A0	B0	K0	P	P0	P2	E	F	D0
DIMENSIONS	16.0 $+0.3$ -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	4.0 $+0.1$ -0.1	2.0 $+0.1$ -0.1	1.75 $+0.1$ -0.1	7.5 $+0.1$ -0.1	1.5 $+0.10$ -0.00

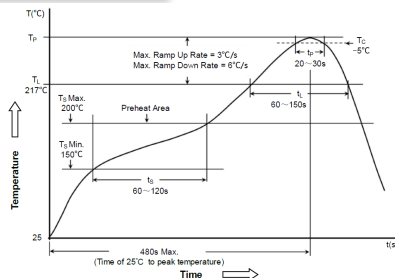
Quantity (pcs):

1000 PCS PER REEL
3 REELS PER CARTON
3000PCS PER CARTON

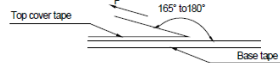
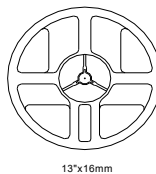
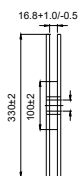
SCHEMATICS



IMPEDEANCE FREQUENCY



Reel



Dimensions in mm