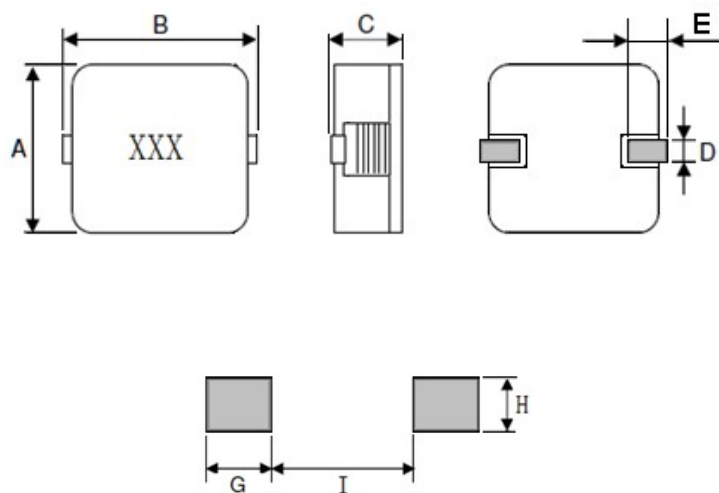


High Current SMD Power Inductor

◆ Features

- 1.High current, low loss of iron powder core
- 2.Low profile for machine placement
- 3.Minimize electromagnetic interference
- 4.Suppress common mode noise
- 5.Prevent EMI effect via precise impedance
- 6.Custom design available


◆ Dimensions(mm)

◆ Lead Free Part Numbering

SLP 1050 P 3R3 M T T
① ② ③ ④ ⑤ ⑥ ⑦

- ①Series Type;
- ②Dimension;
- ③Material type;
- ④Inductance 3R3=3.3UH;
- ⑤Inductance Tolerance: M=±20%;
- ⑥Company Code;
- ⑦Packaging: T - Tape & reel;

Unit: mm

Series	A	B	C	D	E	G	H	I
SLB1050P	10.2±0.5	10.5±0.5	5.0Max	2.0±0.5	20±0.5	3.5	4.0	3.8

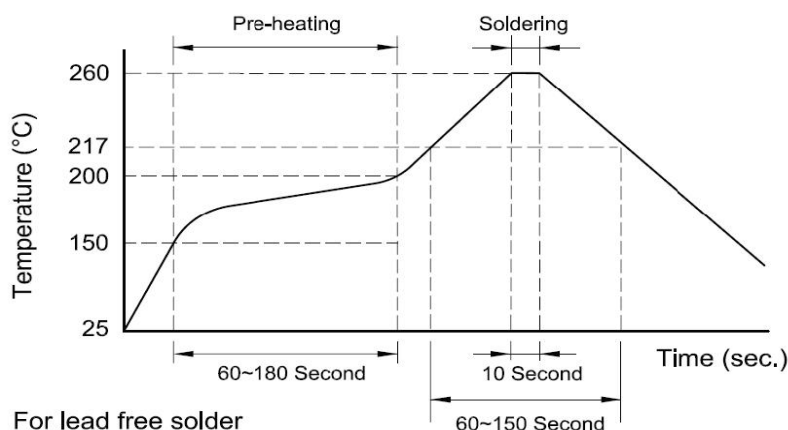
◆ Specification

Part Number	Inductance (μH)	DCR(m Ω)		Irms (A) Typ	Isat (A) Typ	TEST FREQUENCY
		Typ	Max			
SLB1050P						
SLB1050PR16MTT	0.16±20%	0.51	0.56	25.0	58.0	100KHz/0.1V
SLB1050PR40MTT	0.40±20%	0.67	0.74	24.0	37.0	100KHz/0.1V
SLB1050PR72MTT	0.72±20%	1.30	1.43	22.0	35.0	100KHz/0.1V
SLB1050P1R2MTT	1.20±20%	1.80	1.98	20.0	25.0	100KHz/0.1V
SLB1050P1R8MTT	1.80±20%	3.50	3.85	16.0	18.0	100KHz/0.1V
SLB1050P2R4MTT	2.40±20%	4.75	5.23	14.0	17.0	100KHz/0.1V
SLB1050P3R3MTT	3.30±20%	5.90	6.49	12.0	15.0	100KHz/0.1V
SLB1050P4R2MTT	4.20±20%	7.10	7.81	11.0	14.0	100KHz/0.1V
SLB1050P5R5MTT	5.50±20%	10.3	11.33	10.0	12.0	100KHz/0.1V
SLB1050P6R5MTT	6.50±20%	12.5	13.75	8.40	10.0	100KHz/0.1V
SLB1050P7R8MTT	7.80±20%	13.6	14.96	8.00	9.50	100KHz/0.1V
SLB1050P100MTT	10.0±20%	16.3	17.93	7.20	8.50	100KHz/0.1V
SLB1050P160MTT	16.0±20%	34.5	37.95	5.00	6.50	100KHz/0.1V

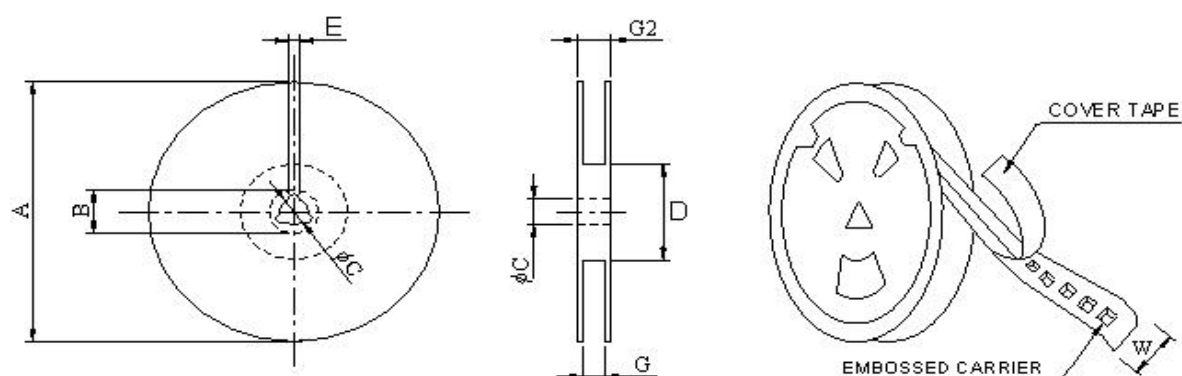
NOTE:

1. All test data is referenced to 25°C ambient.
2. Irms: DC current(A) that will cause an approximate ΔT of 50°C .
3. Isat: DC current(A) that will cause Lo to drop approximate 30%.
4. Operating temperature range is P40°C to 125°C.
5. The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

◆ Recommended Soldering conditions

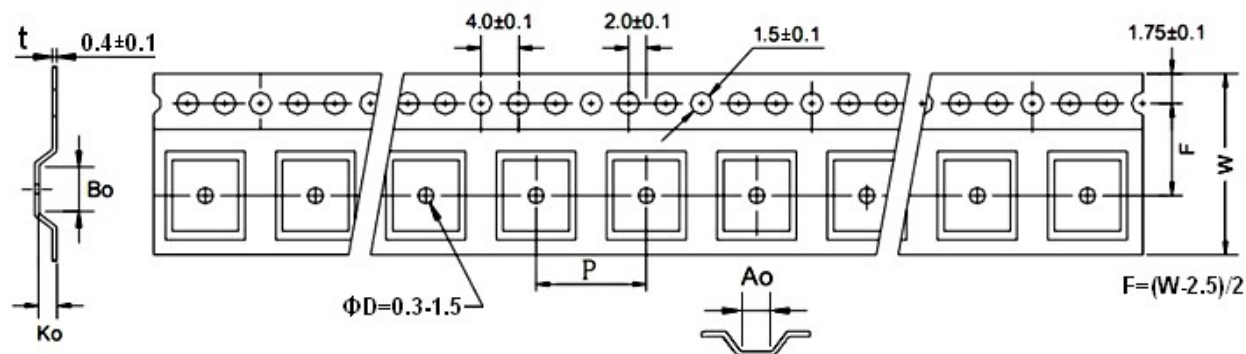


◆ **Packaging**

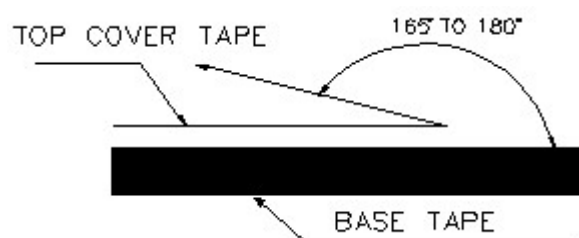


*CARRIER TAPE WIDTH: W

Series	TYPE	A(Ref.)	B(Ref.)	C(Ref.)	D(Ref.)	E(Ref.)	G(Ref.)	G2(Ref.)
SLB1050P	13"*24mm	330±1	20±0.8	13±0.5	100±1	2.0±0.5	24.5±0.5	28.5±0.5



Series	QTY (Pcs/Reel)	Ao	Bo	Ko	W	P
SLB1050P	700	10.8	11.3	5.2	24	16



Typical Pulling Force: 10-130 grams