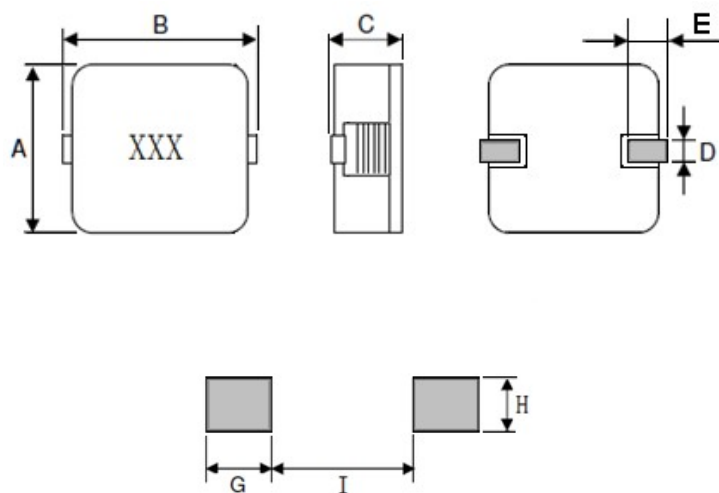


High Current SMD Power Inductor

◆ 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

SLB 0740 P 2R2 M T T
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series Type;
- ② Dimension;
- ③ Material type;
- ④ Inductance 2R2=2.2UH;
- ⑤ Inductance Tolerance: M=±20%;
- ⑥ Company Code;
- ⑦ Packaging: T - Tape & reel;

Unit: mm

Series	A	B	C	D	E	G	H	I
SLB0740P	6.9±0.4	7.0±0.4	4.0Max	1.2±0.3	1.8±0.5	2.7	2.2	2.4

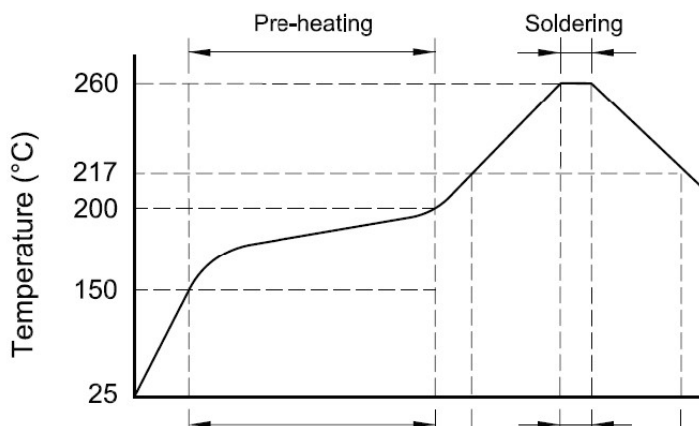
◆ Specification

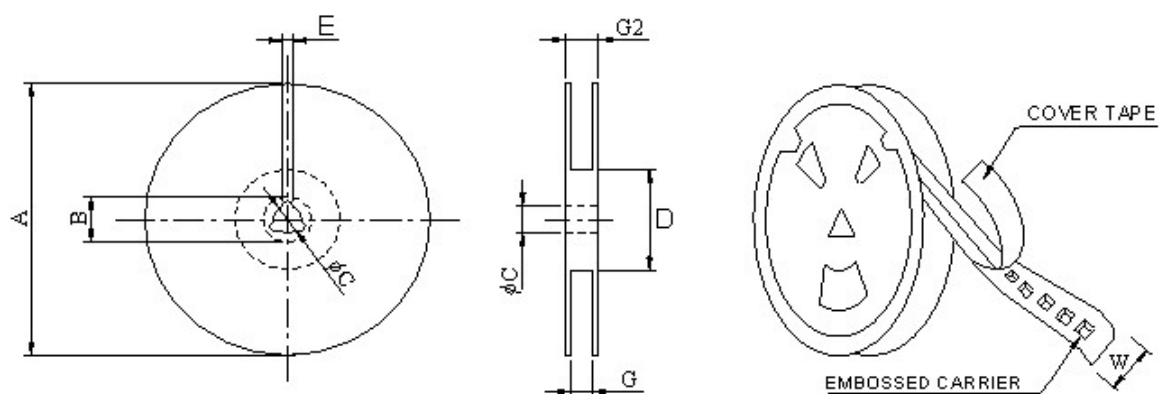
Part Number	Inductance (μH)	DCR(m Ω)		I _{rms} (A) Typ	I _{sat} (A) Typ	TEST FREQUENCY
		Typ	Max			
SLB0740P Series						
SLB0740PR22MTT	0.22±20%	1.10	1.21	21.0	32.0	100KHz/0.1V
SLB0740PR40MTT	0.40±20%	1.85	2.04	19.0	25.0	100KHz/0.1V
SLB0740PR68MTT	0.68±20%	3.10	3.41	17.0	20.0	100KHz/0.1V
SLB0740P1R0MTT	1.0±20%	4.60	5.06	15.0	19.0	100KHz/0.1V
SLB0740P1R5MTT	1.5±20%	6.60	7.26	11.0	14.0	100KHz/0.1V
SLB0740P2R2MTT	2.2±20%	11.40	12.54	9.0	13.0	100KHz/0.1V
SLB0740P3R3MTT	3.3±20%	17.20	18.92	6.5	11.0	100KHz/0.1V
SLB0740P4R7MTT	4.7±20%	19.50	21.45	6.0	7.0	100KHz/0.1V

NOTE:

1. All test data is referenced to 25°C ambient.
2. I_{rms}: DC current(A) that will cause an approximate ΔT of 50°C.
3. I_{sat}: DC current(A) that will cause L_o to drop approximate 30%.
4. Operating temperature range is -40°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.

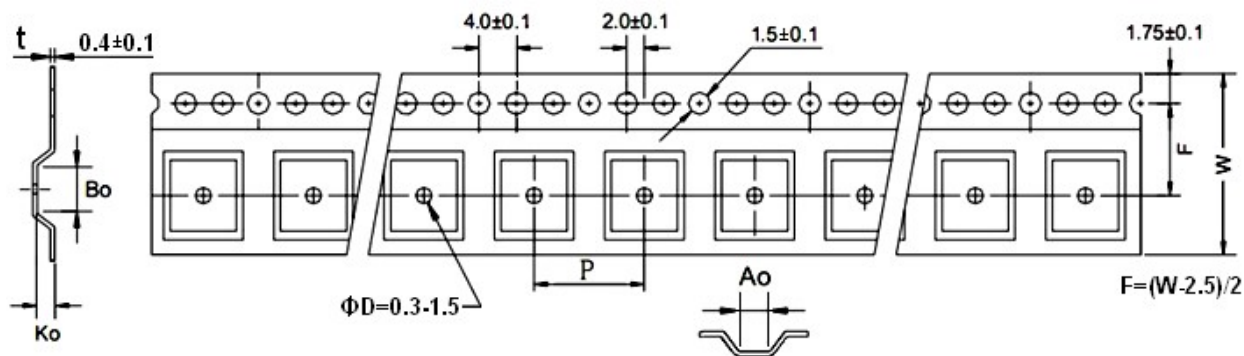
◆ Recommended Soldering conditions



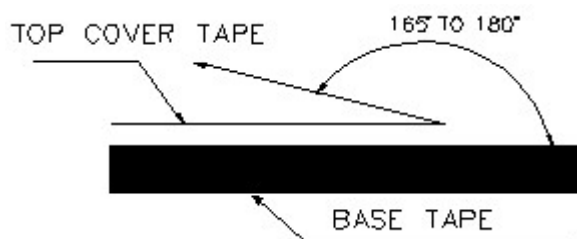
◆ Packaging


*CARRIER TAPE WIDTH: W

Series	TYPE	A(Ref.)	B(Ref.)	C(Ref.)	D(Ref.)	E(Ref.)	G(Ref.)	G2(Ref.)
SLB0740P	13"*16mm	330±1	20±0.8	13±0.5	100±1	2.0±0.5	16.5±0.5	20.5±0.5



Series	QTY (Pcs/Reel)	Ao	Bo	Ko	W	P
SLB0740P	1000	7.2	7.8	4.2	16	12



Typical Pulling Force: 10-130 grams