SMD High Current Power Inductor - HIP0520 Series

Meisongbei



Features

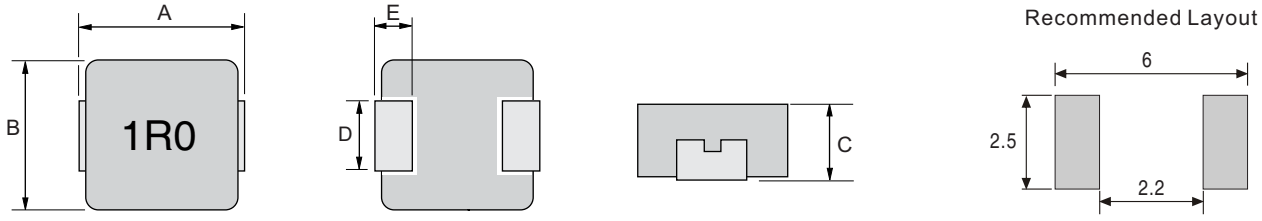
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

General Specifications

- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)



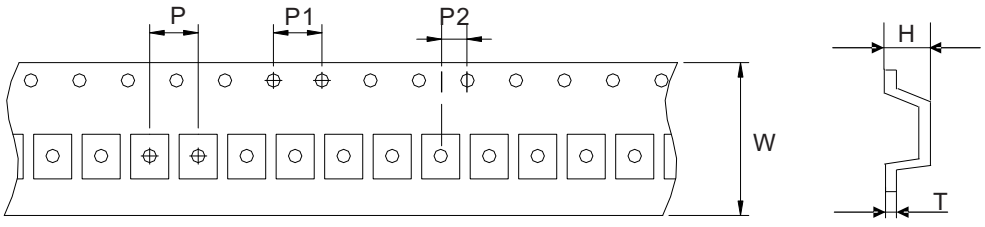
Type	A	B	C	D	E
HIP0520	5.7±0.3	5.2±0.2	1.8±0.2	2.0±0.3	1.2±0.2

Electrical Characteristics For HIP0520 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0520-R22M	0.22	5.5	25	15
HIP0520-R33M	0.33	7.3	21.3	12
HIP0520-R47M	0.47	8.6	18	11.5
HIP0520-R68M	0.68	12.4	12.8	10
HIP0520-1R0M	1.0	20	13.7	7
HIP0520-1R5M	1.5	30.5	9.8	5.5
HIP0520-2R2M	2.2	50	9	4.2
HIP0520-3R3M	3.3	76	7.3	3.3
HIP0520-4R7M	4.7	116	5	2.8
HIP0520-6R8M	6.8	150	3.8	2.4
HIP0520-8R2M	8.2	171	3.5	2.3
HIP0520-100M	10	199	3.4	2.3
HIP0520-150M	15	270	2.8	1.9
HIP0520-220M	22	390	1.8	1.5

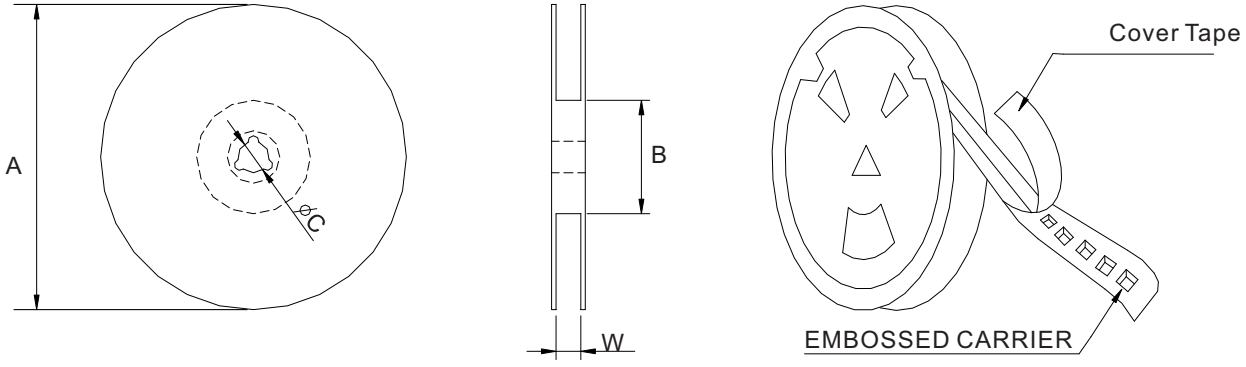
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
HIP0520		12.0	8.0	4.0	2.0	2.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	Pcs	±2.0	±0.5	±0.5	±0.5
HIP0520		2000	330	97	13.2	12.8