SMD High Current Power Inductor - HIP1040 Series

Meisongbei



Features

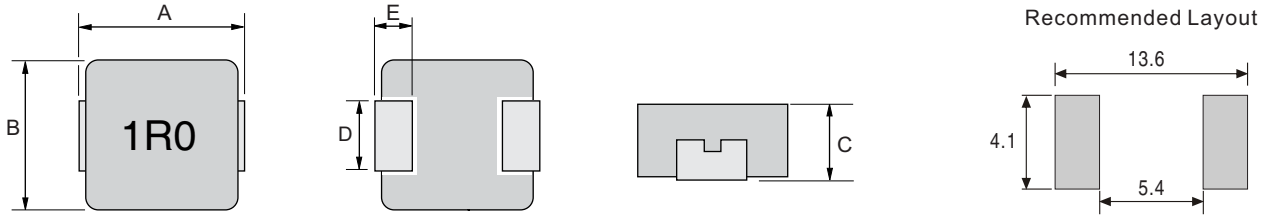
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

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)

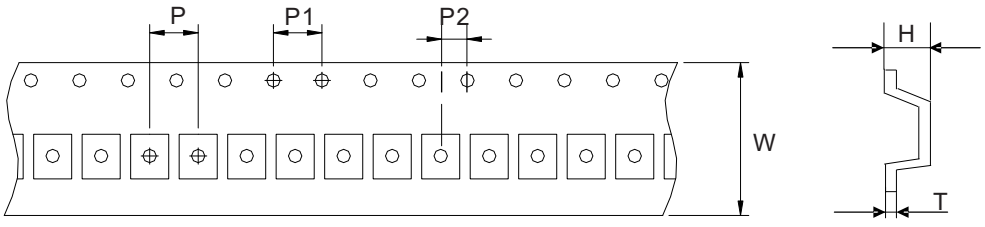


Type	A	B	C	D	E
HIP1040	11.0±0.5	10.0±0.3	3.8±0.2	3.0±0.5	2.0±0.5

Electrical Characteristics For HIP1040 Series @ 25°C

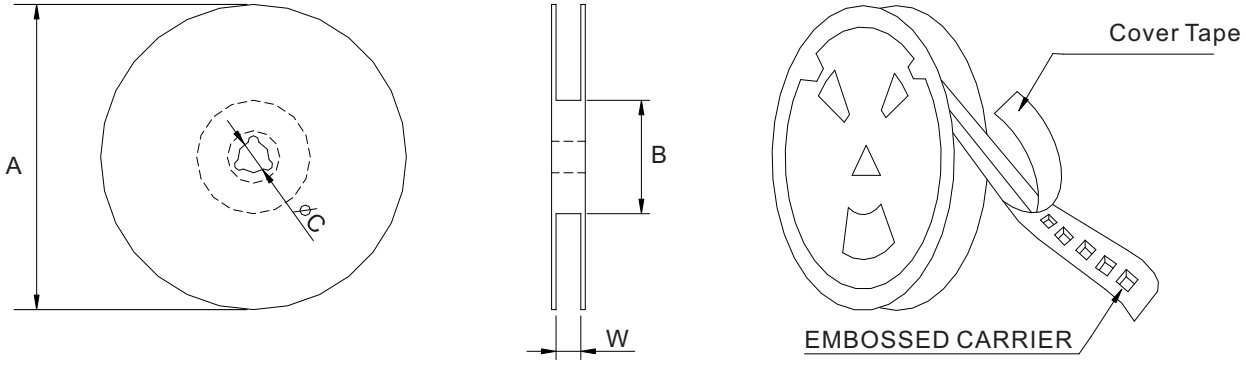
Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP1040-R22M	0.22	1	60	35
HIP1040-R36M	0.36	1.2	60	31
HIP1040-R45M	0.45	1.5	45	29
HIP1040-R47M	0.47	1.5	43	28
HIP1040-R56M	0.56	1.8	40	25
HIP1040-R68M	0.68	2.7	39	22
HIP1040-1R0M	1.0	3.3	36	18
HIP1040-1R5M	1.5	4.6	33	16
HIP1040-2R2M	2.2	7	27	12
HIP1040-3R3M	3.3	11.8	20	11
HIP1040-4R7M	4.7	15.5	17	10
HIP1040-5R6M	5.6	19.3	14	9
HIP1040-6R8M	6.8	23.3	13.5	8.5
HIP1040-100M	10	30	12	7.5
HIP1040-150M	15	45	10	6.25
HIP1040-220M	22	74	7	5
HIP1040-330M	33	112	5	3.5
HIP1040-470M	47	167	4.5	3

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
HIP1040		24.0	16.0	4.0	2.0	4.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP1040		500	330	97	13	24.8