SMD High Current Power Inductor - HIP1260 Series

Meisongbei



Features

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

General Specifications

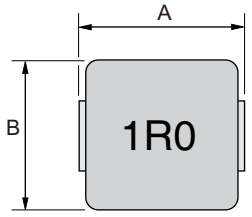
- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

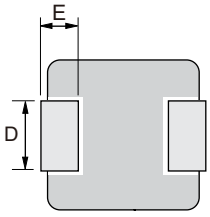
Note

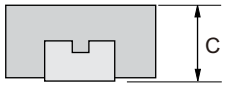
- HIP1260-R47M~1R5M Dimensions D:3.85±0.5
- HIP1260-2R2M~151M Dimensions D:4.7±0.5

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

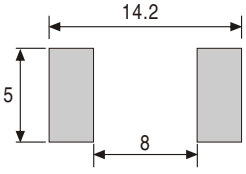
Shape and Dimensions (Unit:mm)







Recommended Layout

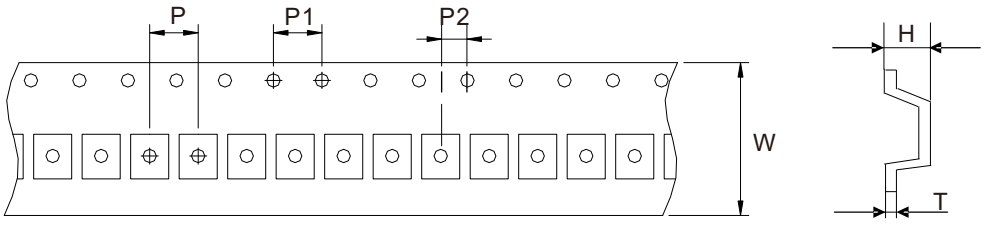


Type	A	B	C	D	E
HIP1260	13.5±0.5	12.6±0.3	5.7±0.3	3.85±0.5 / 4.7±0.5	2.0±0.5

Electrical Characteristics For HIP1260 Series @ 25°C

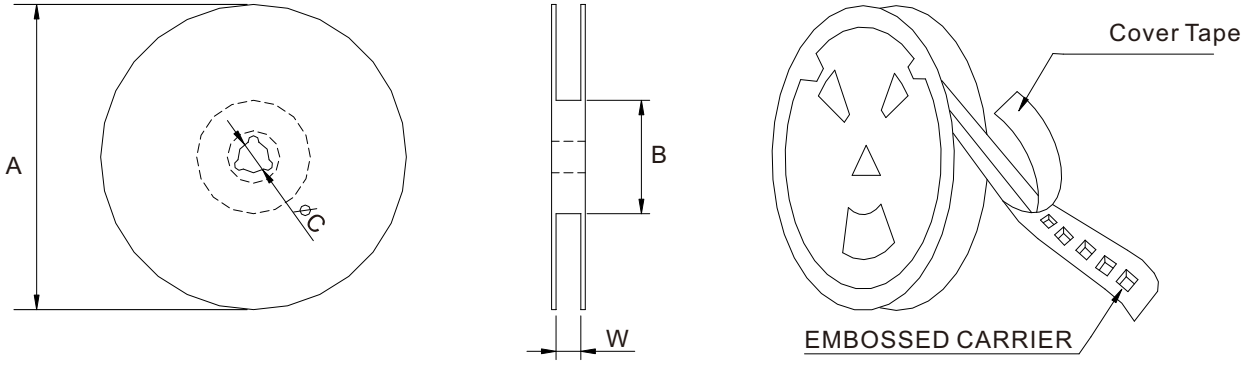
Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP1260-R47M	0.47	1.3	64	38
HIP1260-R68M	0.68	1.7	57	33
HIP1260-1R0M	1.0	2.4	53	29
HIP1260-1R5M	1.5	3.2	50	26
HIP1260-2R2M	2.2	4.7	43	21
HIP1260-3R3M	3.3	7.1	35	17
HIP1260-4R7M	4.7	11.5	30	16
HIP1260-6R8M	6.8	13.8	25	15
HIP1260-8R2M	8.2	16	23	11
HIP1260-100M	10	20.7	21	11
HIP1260-150M	15	29	16	9
HIP1260-220M	22	39.5	14	8
HIP1260-330M	33	75	12	6
HIP1260-470M	47	90	11	5.5
HIP1260-680M	68	140	9	5
HIP1260-820M	82	161	8.5	4.5
HIP1260-101M	100	200	8	4
HIP1260-121M	120	235	7	3.5
HIP1260-151M	150	350	6	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
HIP1260		24.0	16.0	4.0	2.0	6.30	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP1260		500	330	97	13	24.8