SMD High Current Power Inductor - HIP1235 Series

Meisongbei



Features

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

General Specifications

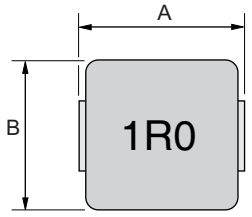
- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

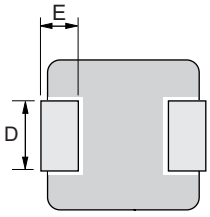
Note

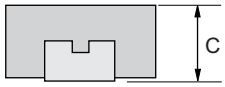
- HIP1235-R47M~R82M Dimensions D:3.85±0.5
- HIP1235-1R0M~470M Dimensions D:4.7±0.5

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

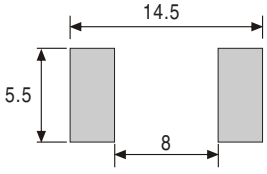
Shape and Dimensions (Unit:mm)







Recommended Layout

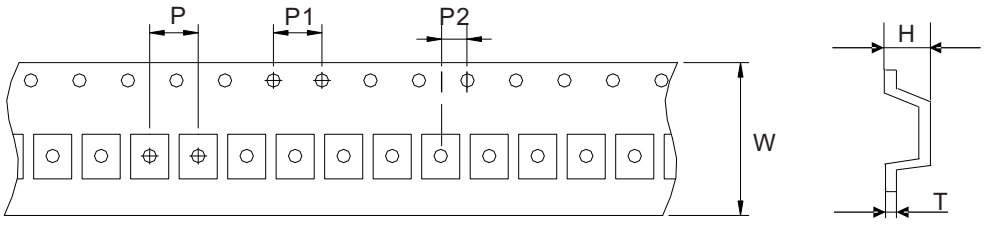


Type	A	B	C	D	E
HIP1235	13.5±0.5	12.6±0.3	3.3±0.2	3.85±0.5 / 4.7±0.5	2.0±0.5

Electrical Characteristics For HIP1235 Series @ 25°C

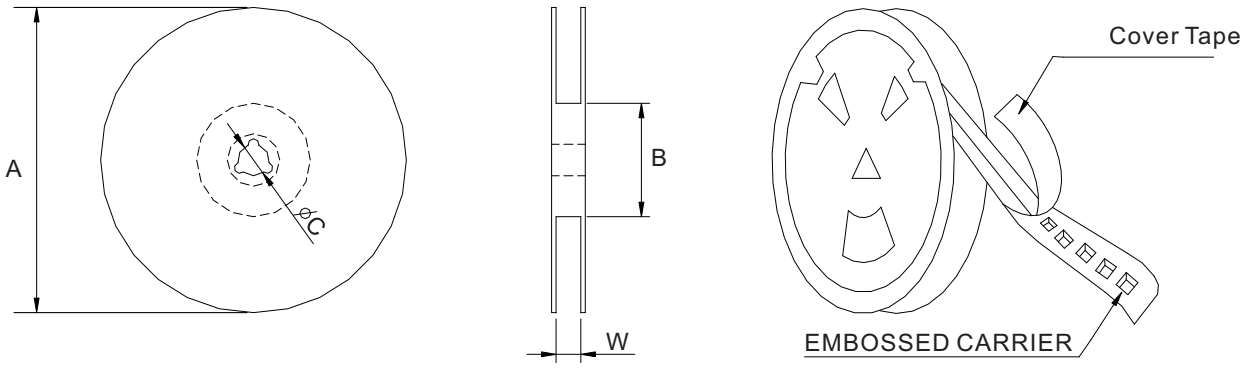
Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP1235-R47M	0.47	2	55	32
HIP1235-R68M	0.68	2.5	49	28
HIP1235-R82M	0.82	3	44	25
HIP1235-1R0M	1.0	3.5	40	24
HIP1235-1R5M	1.5	5.5	35	19
HIP1235-2R2M	2.2	8	29	16
HIP1235-3R3M	3.3	12	27	12
HIP1235-4R7M	4.7	18	22	10
HIP1235-5R6M	5.6	22	19	9.5
HIP1235-6R8M	6.8	24	18	9
HIP1235-8R2M	8.2	28	16	8.5
HIP1235-100M	10	34	14	7.5
HIP1235-150M	15	65	10	6.5
HIP1235-220M	22	99	7	4.5
HIP1235-330M	33	160	6	3.5
HIP1235-470M	47	218	5.5	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
HIP1235		24.0	16.0	4.0	2.0	3.80	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HI1235		500	330	97	13	24.8