SMD High Current Power Inductor - HIP0650 Series

Meisongbei



Features

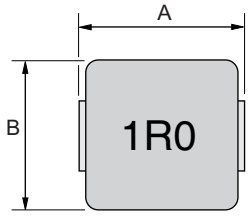
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

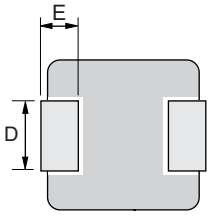
General Specifications

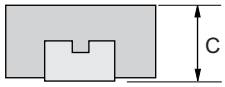
- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

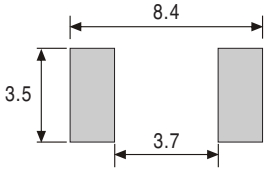
Shape and Dimensions (Unit:mm)







Recommended Layout

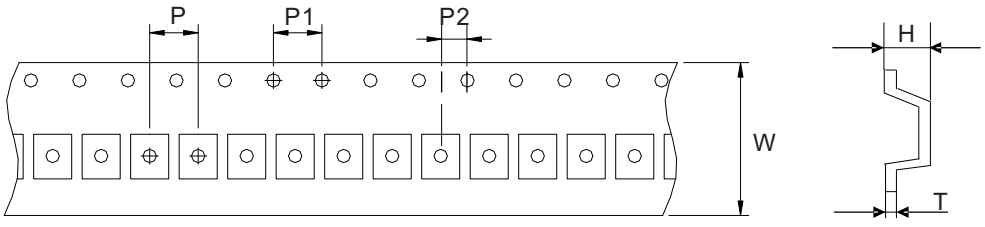


Type	A	B	C	D	E
HIP0650	7.3±0.3	6.6±0.3	4.8±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HIP0650 Series @ 25°C

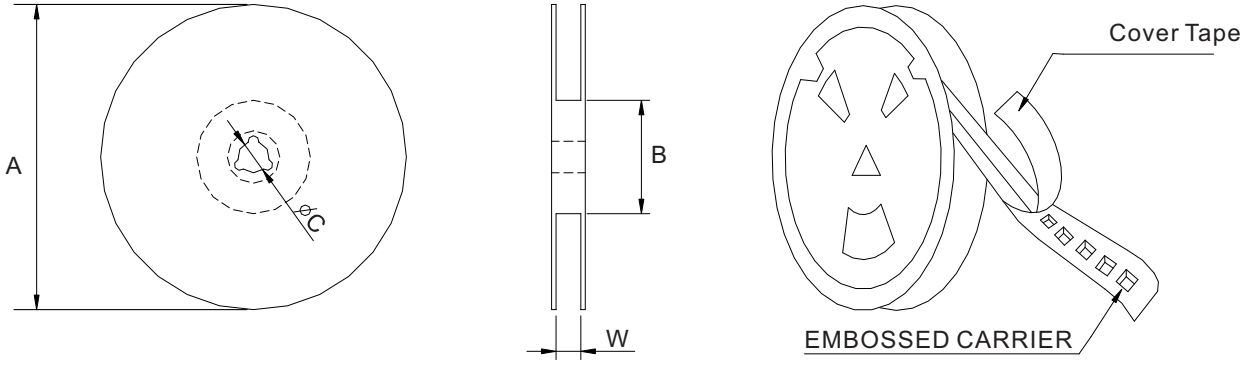
Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0650-R22M	0.22	1.9	35	25
HIP0650-R33M	0.33	3	32	25
HIP0650-R47M	0.47	3.9	30	22
HIP0650-R68M	0.68	4.5	24	18
HIP0650-R82M	0.82	4.9	22	16.5
HIP0650-1R0M	1.0	6.5	20	15
HIP0650-1R2M	1.2	7.5	18	14
HIP0650-1R5M	1.5	9	16.5	12
HIP0650-2R2M	2.2	12	14	10
HIP0650-3R3M	3.3	20.9	12	8
HIP0650-4R7M	4.7	30.8	10	6.5
HIP0650-5R6M	5.6	49	9	6
HIP0650-6R8M	6.8	51.5	8.5	5.5
HIP0650-8R2M	8.2	63	8	5
HIP0650-100M	10	69	7.5	4
HIP0650-150M	15	92	6	3.5
HIP0650-220M	22	170	5.5	2.5
HIP0650-330M	33	200	3.5	2

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
HIP0650		16.0	12.0	4.0	2.0	5.50	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP0650		1000	330	97	13	16.8