SMD High Current Power Inductor - HIP0624 Series

Meisongbei



Features

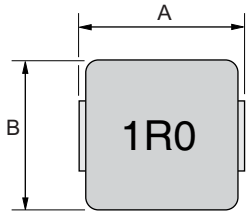
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

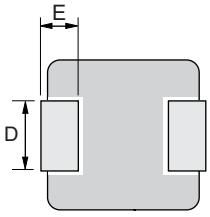
General Specifications

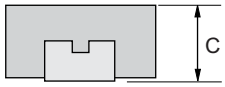
- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

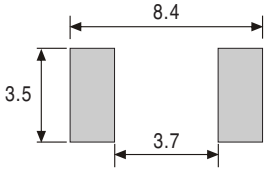
Shape and Dimensions (Unit:mm)







Recommended Layout



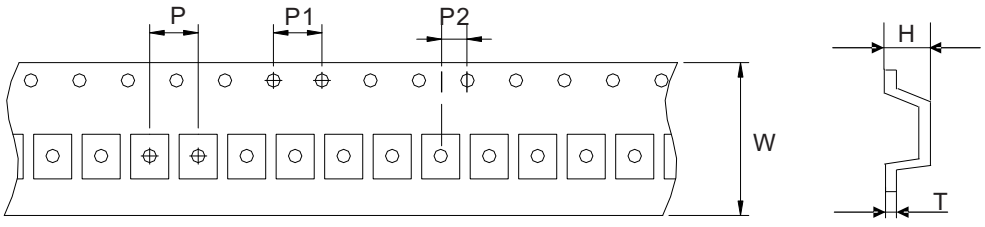
Type	A	B	C	D	E
HIP0624	7.3±0.3	6.6±0.3	2.2±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HIP0624 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0624-R15M	0.15	2.3	45	30
HIP0624-R22M	0.22	3.2	34	21
HIP0624-R33M	0.33	4.4	30	18
HIP0624-R47M	0.47	5.1	26	15
HIP0624-R68M	0.68	7.2	21	13
HIP0624-R82M	0.82	9.5	17	11
HIP0624-1R0M	1.0	13.5	16	10
HIP0624-1R5M	1.5	20	15	9
HIP0624-2R2M	2.2	28	14	7
HIP0624-3R3M	3.3	39	10	6
HIP0624-4R7M	4.7	50	9	5.5
HIP0624-6R8M	6.8	72	7	4
HIP0624-100M	10	101	5	3.2

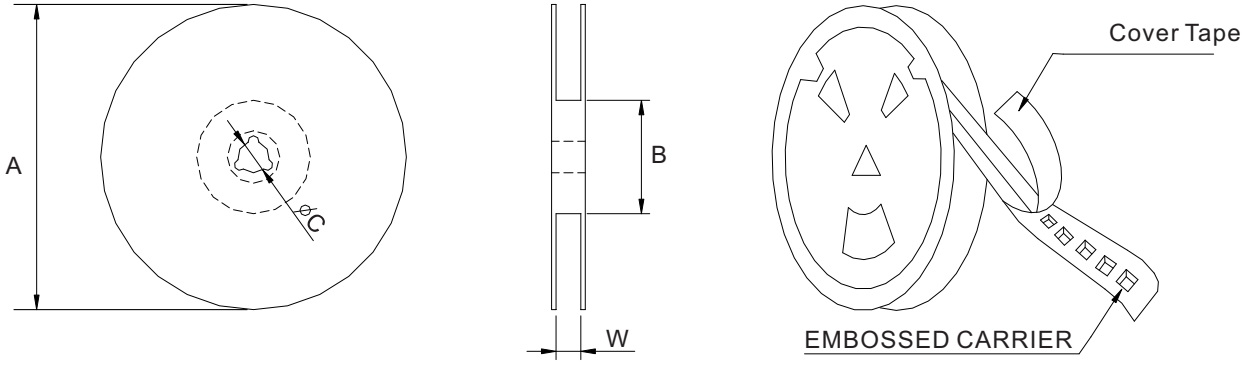
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

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
HIP0624		16.0	12.0	4.0	2.0	2.70	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP0624		1500	330	97	13	16.8