SMD High Current Power Inductor - HIP0618 Series

Meisongbei



Features

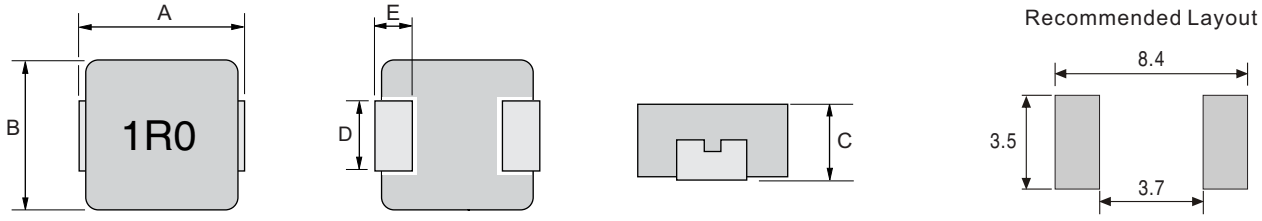
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

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)



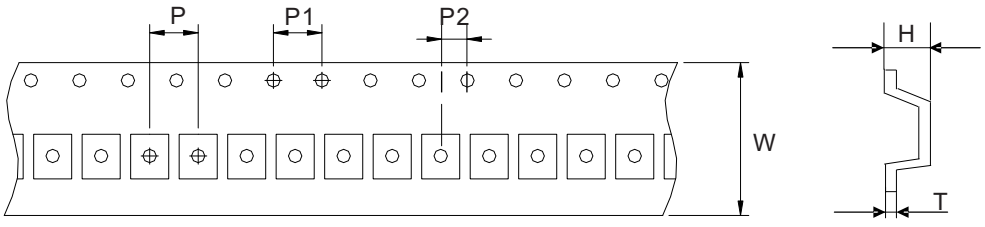
Type	A	B	C	D	E
HIP0618	7.3±0.3	6.6±0.3	1.6±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HIP0618 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0618-R22M	0.22	3	26	16
HIP0618-R33M	0.33	5.8	22	14
HIP0618-R47M	0.47	7.4	18	12
HIP0618-R68M	0.68	11	17	10
HIP0618-R82M	0.82	14	15.5	8.5
HIP0618-1R0M	1.0	17	14	7
HIP0618-1R5M	1.5	25.2	13	6
HIP0618-2R2M	2.2	35	11	6
HIP0618-3R3M	3.3	46	9	5
HIP0618-4R7M	4.7	76	7	4
HIP0618-6R8M	6.8	104	5.5	3
HIP0618-100M	10	160	3.5	2.3

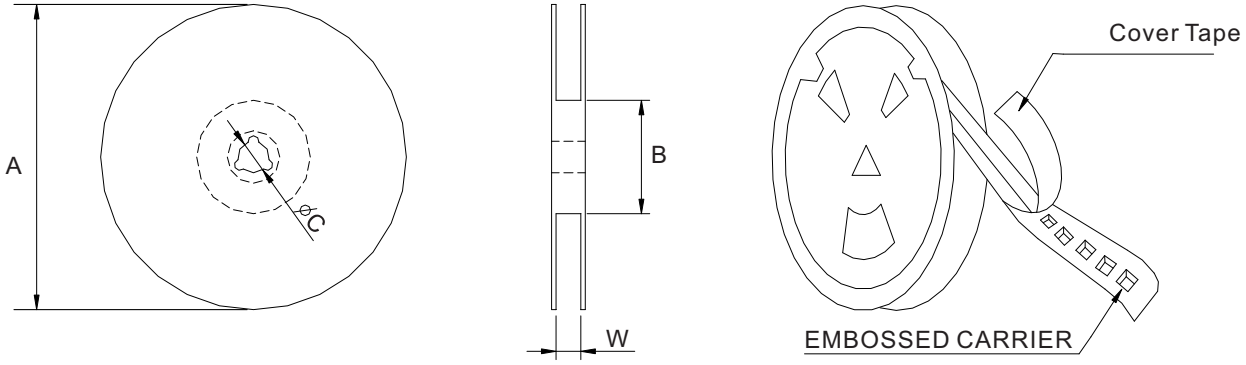
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

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
HIP0618		16.0	12.0	4.0	2.0	2.10	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP0618		2000	330	97	13	16.8