SMD High Current Power Inductor - HIP0630 Series

Meisongbei



Features

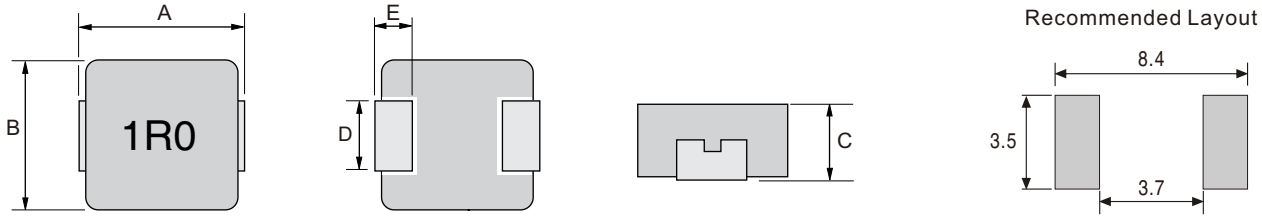
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

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)



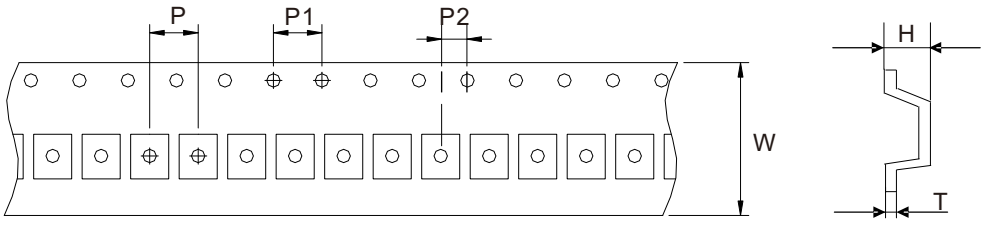
Type	A	B	C	D	E
HIP0630	7.3±0.3	6.6±0.3	2.8±0.2	3.0±0.3	1.6±0.3

Electrical Characteristics For HIP0630 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0630-R10N	0.1±30%	1.7	60	32.5
HIP0630-R15M	0.15	1.9	45	27
HIP0630-R22M	0.22	2.8	40	23
HIP0630-R33M	0.33	3.9	32	20
HIP0630-R47M	0.47	4.2	26	17.5
HIP0630-R56M	0.56	5	25.5	16.5
HIP0630-R68M	0.68	5.5	25	15.5
HIP0630-R82M	0.82	8	24	13
HIP0630-1R0M	1.0	10	22	11
HIP0630-1R5M	1.5	15	18	9
HIP0630-2R2M	2.2	20	14	8
HIP0630-3R3M	3.3	30	13.5	6
HIP0630-4R7M	4.7	40	10	5.5
HIP0630-5R6M	5.6	48	9	5
HIP0630-6R8M	6.8	60	8	4.5
HIP0630-8R2M	8.2	68	7.5	4
HIP0630-100M	10	85	6	3.5
HIP0630-150M	15	123	4	3
HIP0630-220M	22	190	3.5	2
HIP0630-330M	33	240	2.5	2
HIP0630-470M	47	363	2	1.75

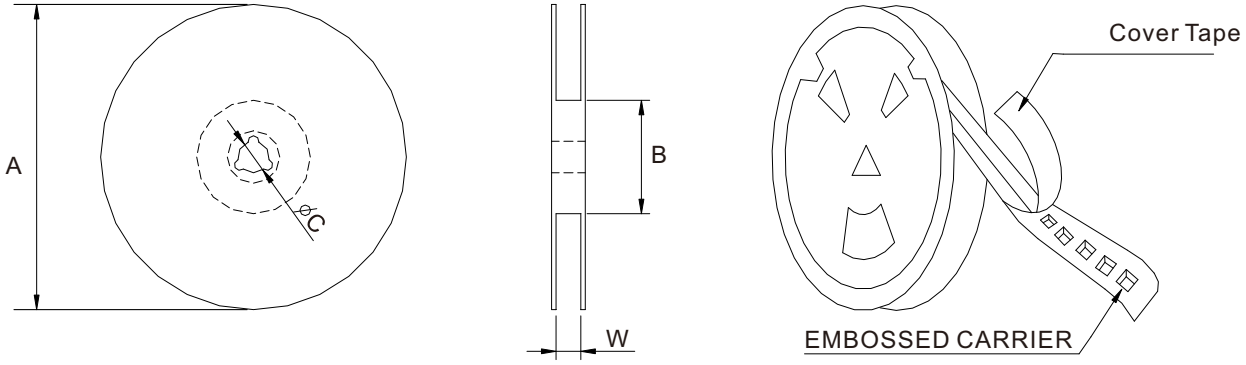
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

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
HIP0630		16.0	12.0	4.0	2.0	3.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP0630		1500	330	97	13	16.8