



Features

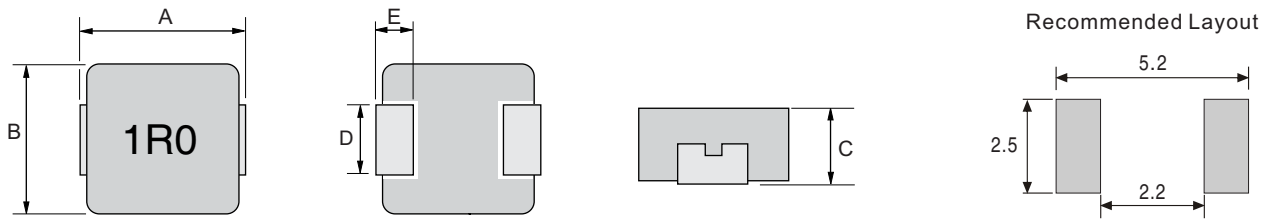
- Shielded Construction
- Core Material: **Carbonyl powder**
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

General Specifications

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



▶ Shape and Dimensions (Unit:mm)



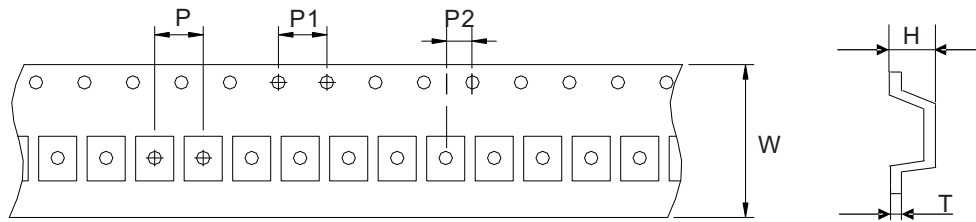
Type	A	B	C	D	E
HIP0420	4.4±0.35	4.2±0.25	1.8±0.2	2.0±0.3	0.8±0.3

▶ Electrical Characteristics For HIP0420 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP0420-R33M	0.33	8.6	18	10
HIP0420-R47M	0.47	14	12	8
HIP0420-R68M	0.68	19	10	7
HIP0420-1R0M	1.0	27	8.5	5
HIP0420-1R5M	1.5	42	7	4.5
HIP0420-2R2M	2.2	61	6	4
HIP0420-3R3M	3.3	76	4	3.5
HIP0420-4R7M	4.7	105	3.5	2.6
HIP0420-6R8M	6.8	172	2.8	2.1
HIP0420-100M	10	243	2.3	1.8

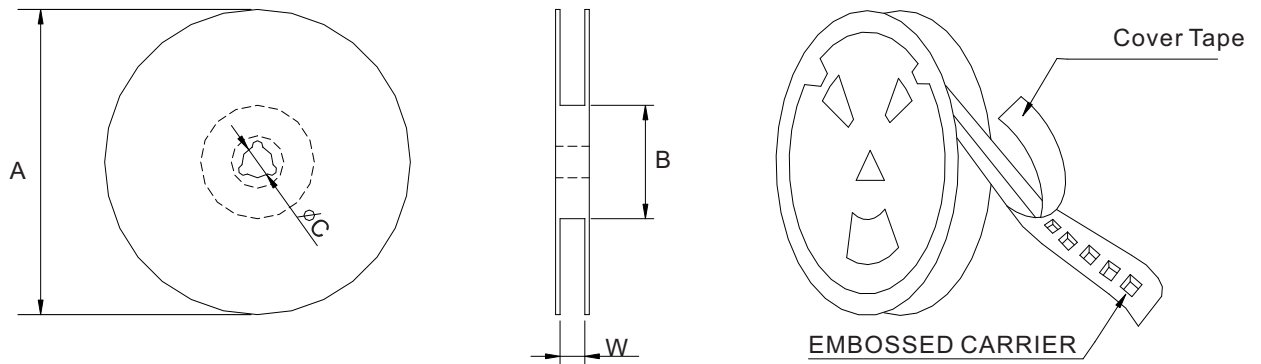
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

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
HIP0420		12.0	8.0	4.0	2.0	2.30	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP0420		3000	330	97	13	12.8