SMD High Current Power Inductor - HIP2213 Series

Meisongbei



Features

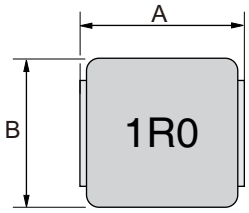
- Shielded Construction
- Core Material: Carbonyl powder core
- High Current, low DCR, high efficiency
- RoHS, Halogen Free and REACH compliance

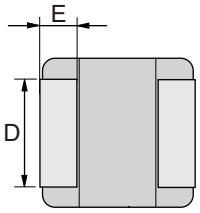
General Specifications

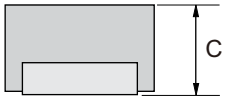
- Storage temp range: -55°C to +125°C
- Operating temp range: -55°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

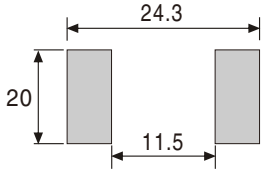
Shape and Dimensions (Unit:mm)







Recommended Layout



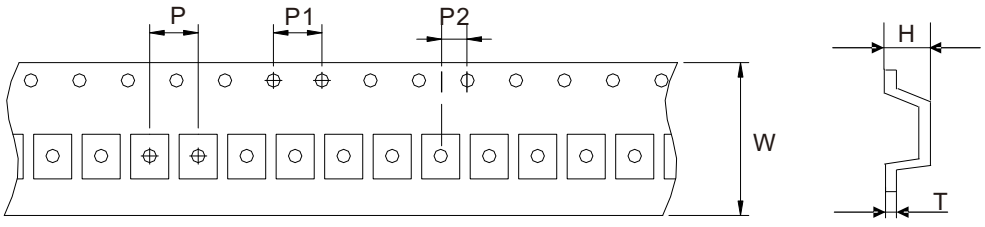
Type	A	B	C	D	E
HIP2213	22.5±0.5	22±0.3	13.0Max	18.6±0.3	5.0±0.5

Electrical Characteristics For HIP2213 Series @ 25°C

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HIP2213-1R0M	1.0	0.89	71.0	69.0
HIP2213-1R5M	1.5	1.20	53.0	65.0
HIP2213-2R2M	2.2	1.25	48.0	58.0
HIP2213-3R3M	3.3	1.80	41.0	49.0
HIP2213-4R7M	4.7	1.84	37.0	47.0
HIP2213-5R6M	5.6	2.50	36.5	40.0
HIP2213-6R8M	6.8	3.09	36.0	36.0
HIP2213-100M	10	4.14	28.0	28.0
HIP2213-150M	15	6.11	24.0	23.5
HIP2213-220M	22	10.8	16.0	17.5
HIP2213-330M	33	15.4	15.5	15.5
HIP2213-470M	47	17.7	13.0	13.5
HIP2213-560M	56	28.0	12.0	13.0
HIP2213-680M	68	29.5	11.0	12.5
HIP2213-750M	75	31.6	10.0	12.0
HIP2213-820M	82	34.2	9.0	10.2
HIP2213-101M	100	39.4	8.0	9.1
HIP2213-151M	150	80.0	7.0	6.0
HIP2213-201M	200	105	7.0	5.0
HIP2213-221M	220	125	6.0	4.5
HIP2213-401M	400	230	6.0	4.0

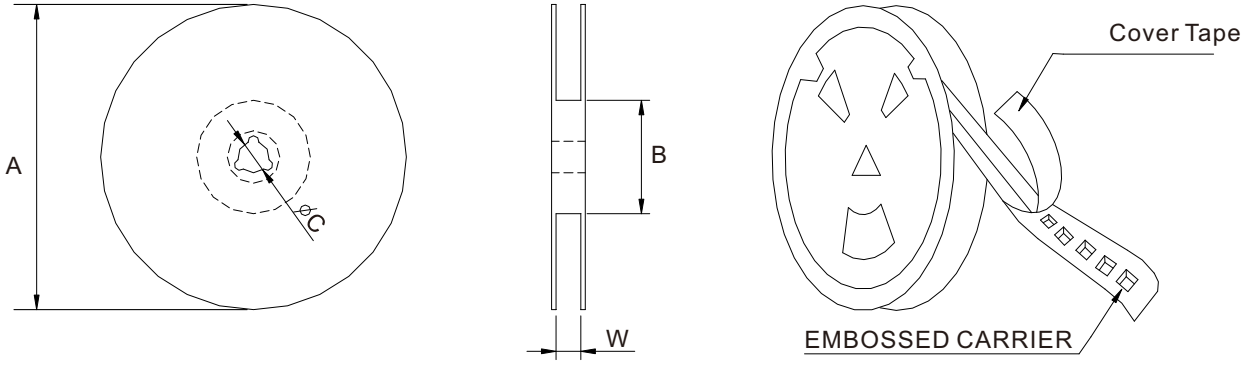
- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

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
HIP2213		44.0	32.0	4.0	2.0	13.20	0.50



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
HIP2213		100	330	97	13	44.0