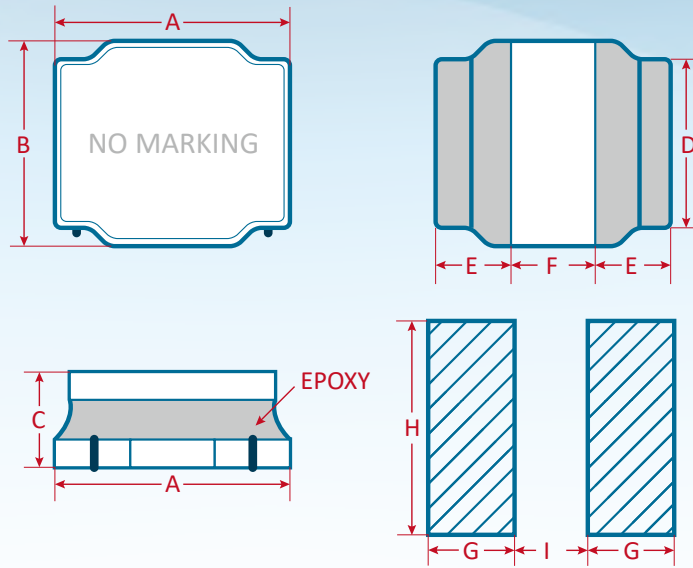




# HNT-E Series

## SMD Power Inductor

Shape and Dimensions(mm):

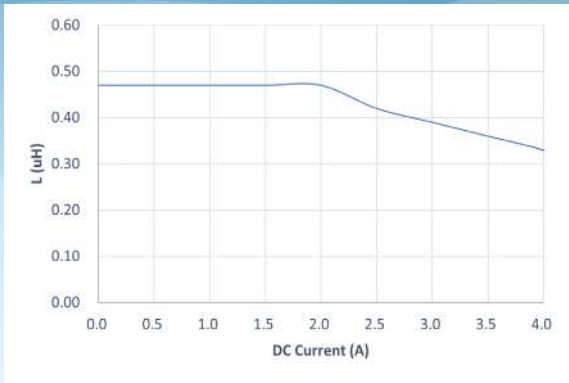


Item	A	B	C	D	E	F	G	H	I
HNT2010-E	2.0±0.2	1.7±0.2	1.05 Max	1.5 Ref.	0.6 Ref.	0.8 Ref.	0.9 Ref.	1.8 Ref.	0.5 Ref.

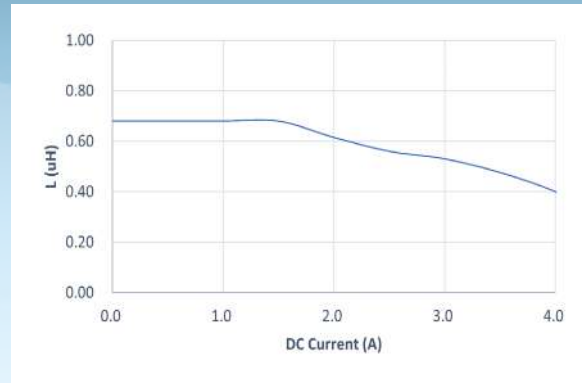
### HNT2010-E

Part No.	Inductance (uH)	DCR(mΩ) Max.	Isat(A) Max.	Irms(A) Max.	Tolerance (±%)
HNT2010NTR47-E	0.47	55	4.0	3.0	30
HNT2010NTR68-E	0.68	65	3.5	3.0	30
HNT2010MT1R0-E	1.0	96	3.35	2.5	20
HNT2010MT2R2-E	2.2	195	1.9	1.5	20
HNT2010MT3R3-E	3.3	310	1.4	1.0	20
HNT2010MT4R7-E	4.7	440	1.2	0.9	20
HNT2010MT6R8-E	6.8	540	0.9	0.8	20
HNT2010MT100-E	10	826	0.8	0.65	20

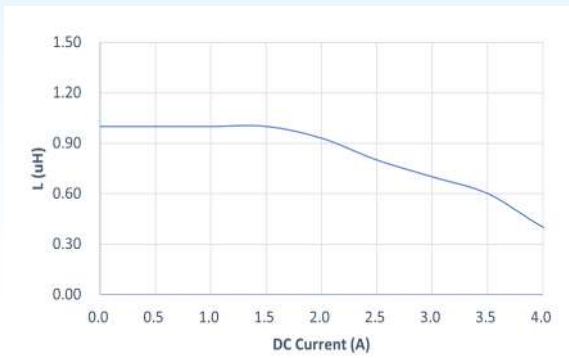
HNT2010NTR47-E



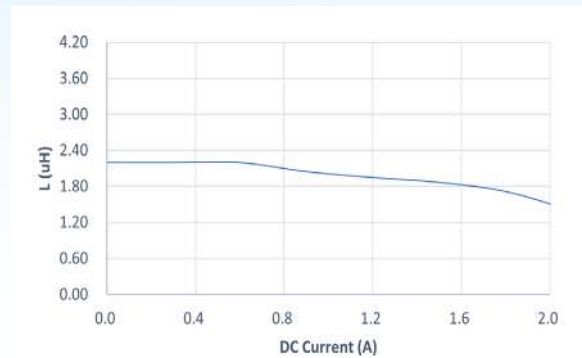
HNT2010NTR68-E



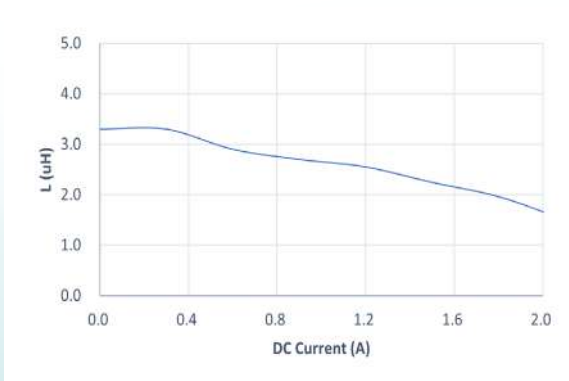
HNT2010MT1R0-E



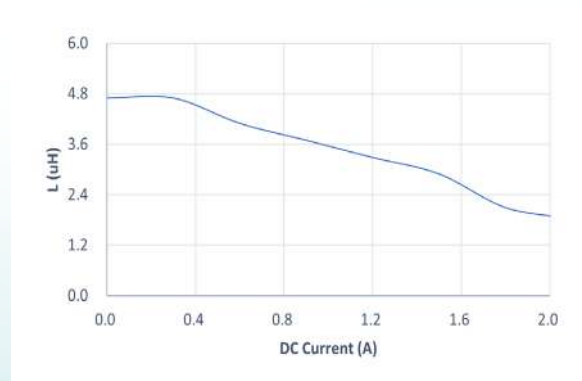
HNT2010MT2R2-E



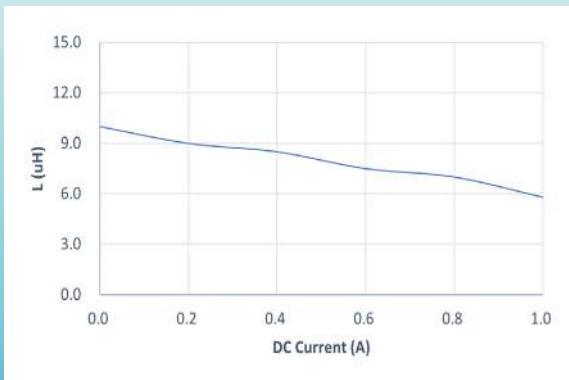
HNT2010MT3R3-E



HNT2010MT4R7-E



HNT2010MT100-E



### Ordering information

#### HNT - 2010 - M - T - 1R0 - E

(1) (2) (3) (4) (5)

- ( 1 ) Type : Surface Mountable Type
- ( 2 ) Size : 2010 is size
- ( 3 ) Tolerance : N=30% M=20%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : R24 for 0.24uH, 1R0 for 1.0uH, 100 for 10uH...

### Characteristics

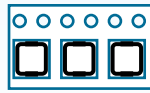
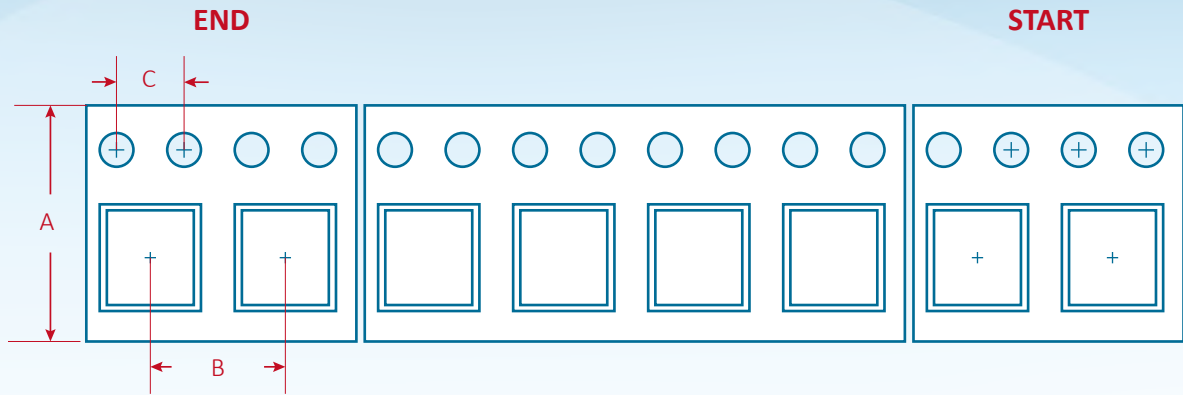
- Isat : DC current (A) that will cause Lo to drop approximately 35% (Max.)
- Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C (Max.)
- Operating temperature range : -40°C to +125°C

### Test equipment

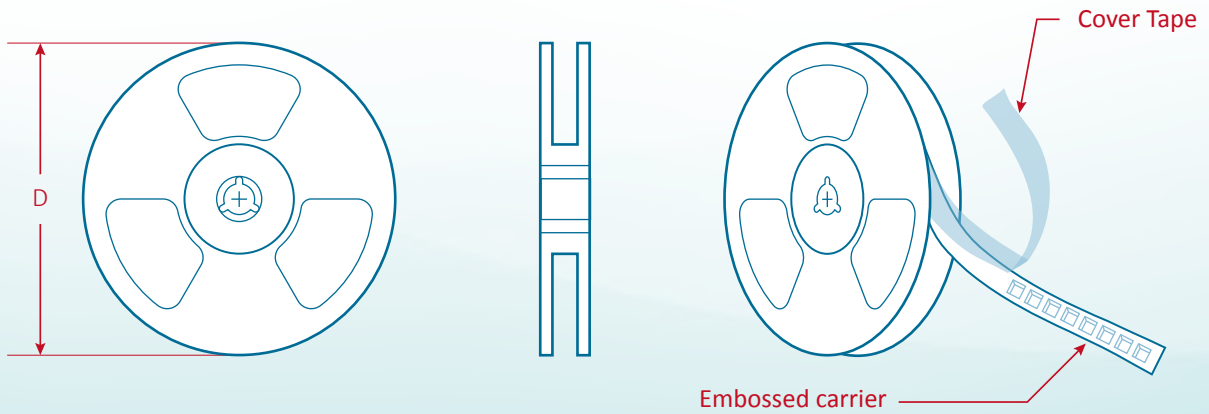
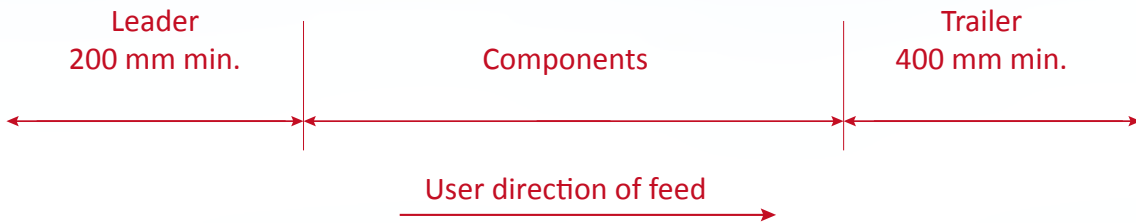
- Test Frequency : 1MHz/ 1.0V
- L : 4285A, CH1062+CH1310
- DCR: 502BC

# Packing

Dimensions in mm



Bottom View



Item	A	B	C	D
HNT2010-E	8.0	4.0	4.0	179.0±0.5
Reel				
Q'ty(Pcs)				
2,000				