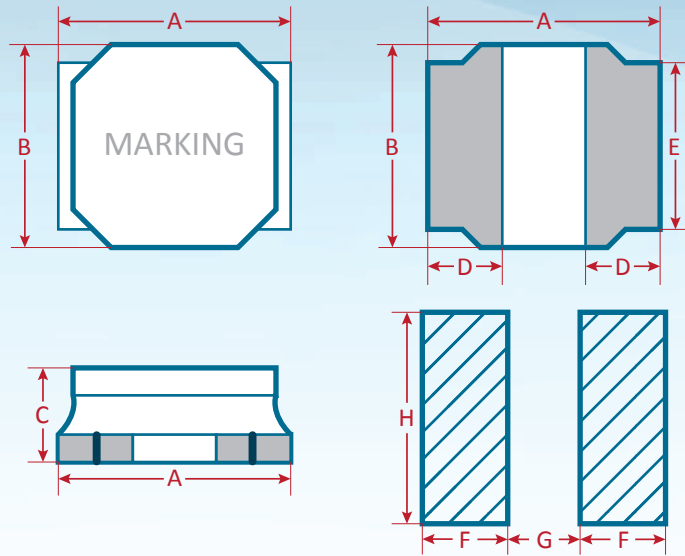


HNT Series

SMD Power Inductor

Shape and Dimensions(mm):



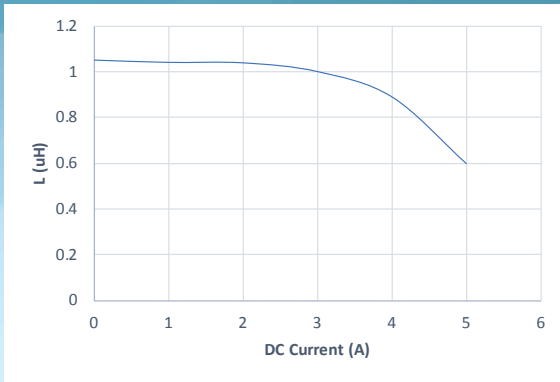
Item	A	B	C	D	E	F	G	H
HNT4018	4.0±0.2	4.0±0.2	1.8 ^{+0.2} / _{-0.3}	1.3±0.3	3.6 Typ.	1.2 Typ.	1.6 Typ.	3.7 Typ.

HNT4018

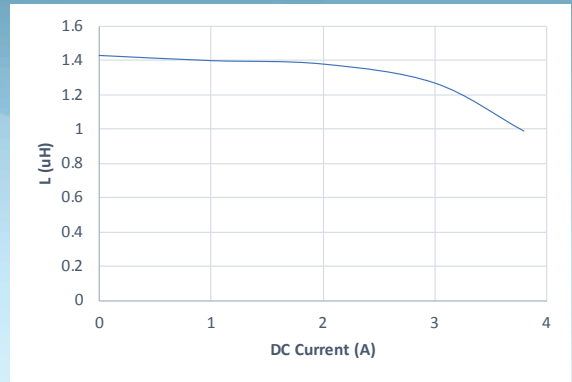


Part No.	Inductance (uH)	DCR(mΩ) ±20%	Isat(A)		I _{rms} (A)		Tolerance (±%)
			Typ.	Max.	Typ.	Max.	
HNT4018MT1R0	1.0	32	4.1	3.69	2.8	2.52	20
HNT4018MT1R5	1.5	40	3.3	2.97	2.6	2.34	20
HNT4018MT1R8	1.8	55	2.8	2.5	2.5	2.2	20
HNT4018MT2R2	2.2	60	2.8	2.52	2.5	2.25	20
HNT4018MT3R3	3.3	70	2.2	1.98	2.1	1.89	20
HNT4018MT3R6	3.6	75	2.1	1.89	1.9	1.71	20
HNT4018MT3R9	3.9	75	2.1	1.89	1.9	1.71	20
HNT4018MT4R7	4.7	90	2.0	1.8	1.7	1.53	20
HNT4018MT6R8	6.8	110	1.6	1.44	1.5	1.35	20
HNT4018MT100	10	170	1.4	1.26	1.2	1.08	20
HNT4018MT150	15	250	1.0	0.9	1.0	0.9	20
HNT4018MT220	22	350	0.9	0.81	0.85	0.76	20
HNT4018MT330	33	530	0.8	0.72	0.7	0.63	20
HNT4018MT470	47	720	0.7	0.63	0.56	0.5	20
HNT4018MT680	68	1000	0.56	0.5	0.45	0.4	20
HNT4018MT101	100	1500	0.46	0.41	0.38	0.34	20
HNT4018MT151	150	2500	0.35	0.31	0.3	0.27	20
HNT4018MT221	220	4000	0.28	0.25	0.23	0.2	20

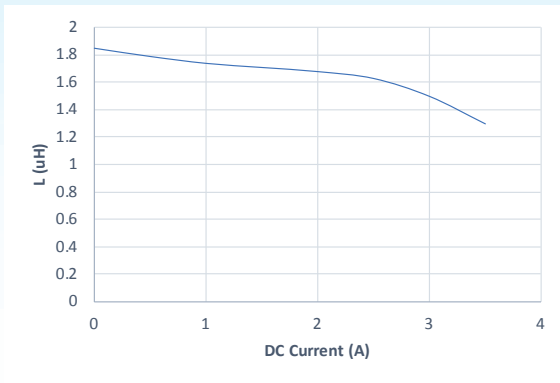
HNT4018MT1R0



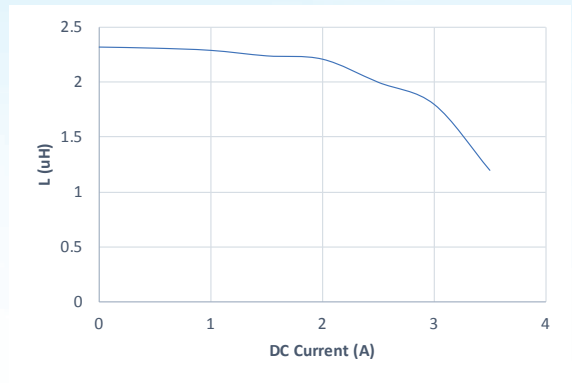
HNT4018MT1R5



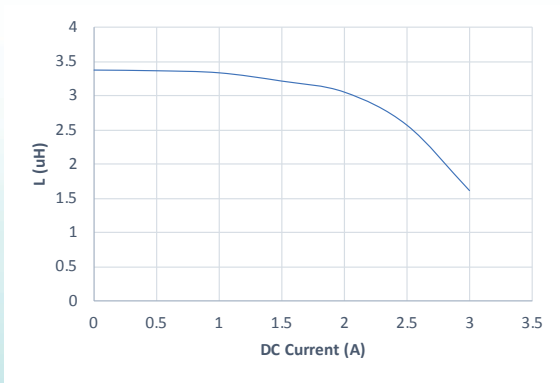
HNT4018MT1R8



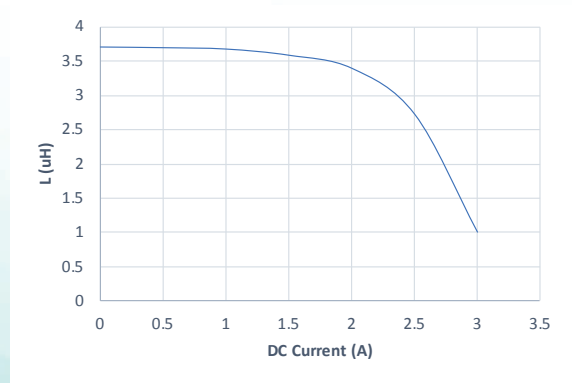
HNT4018MT2R2



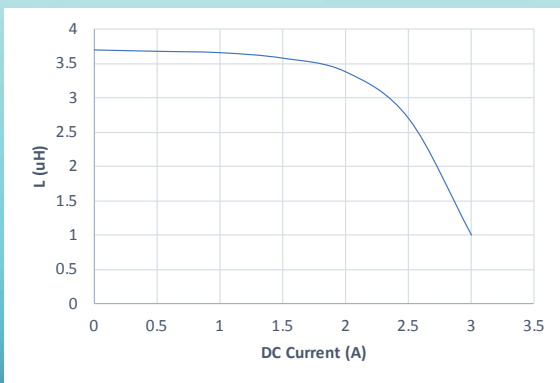
HNT4018MT3R3



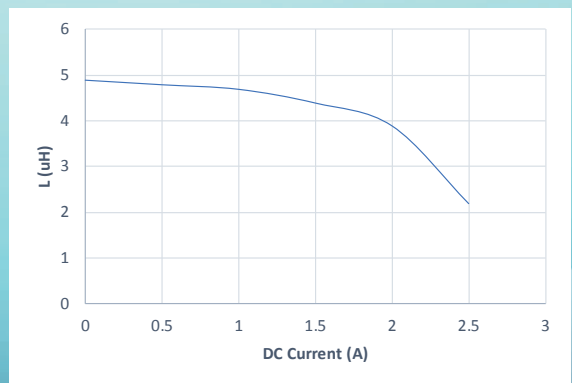
HNT4018MT3R6



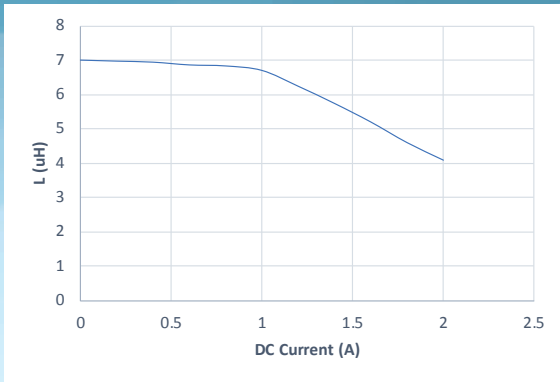
HNT4018MT3R9



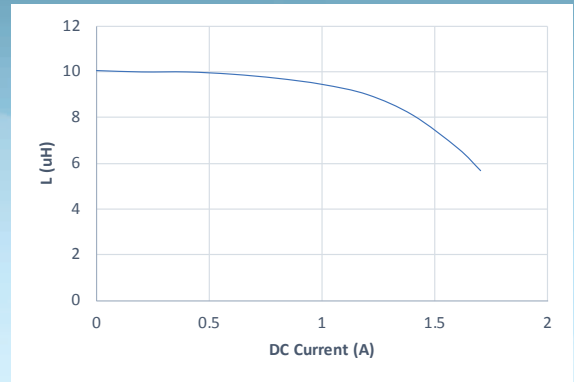
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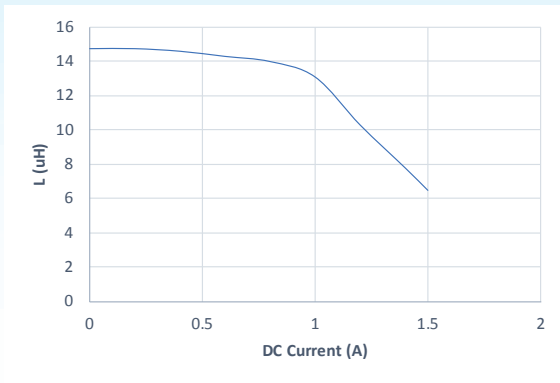
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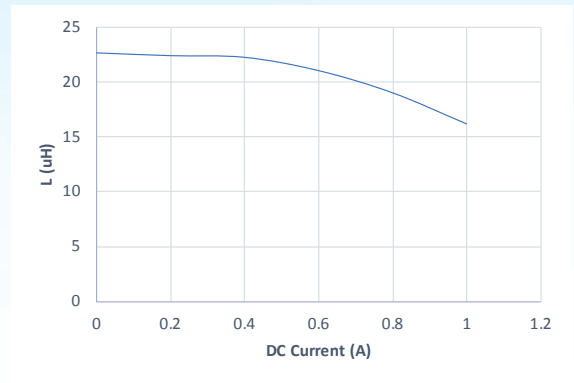
HNT4018MT100



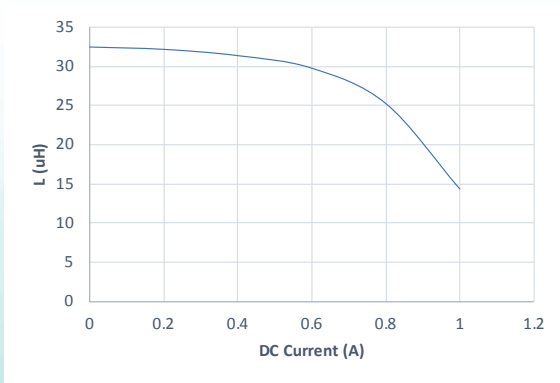
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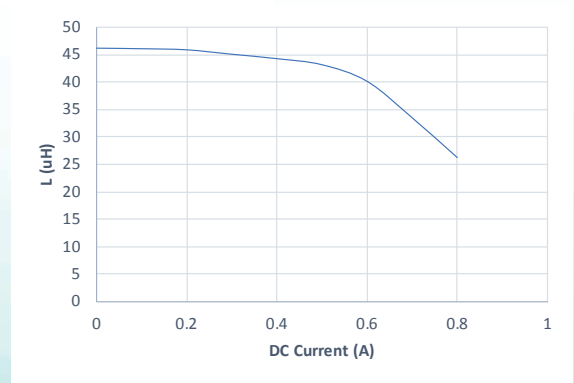
HNT4018MT220



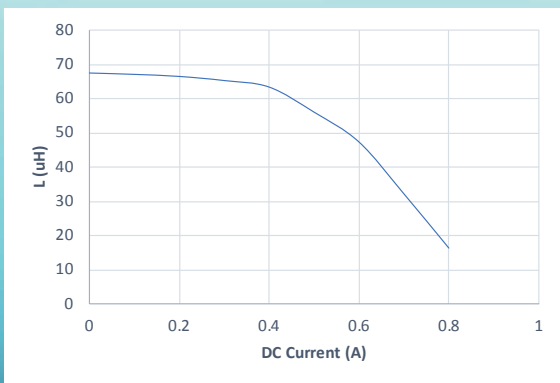
HNT4018MT330



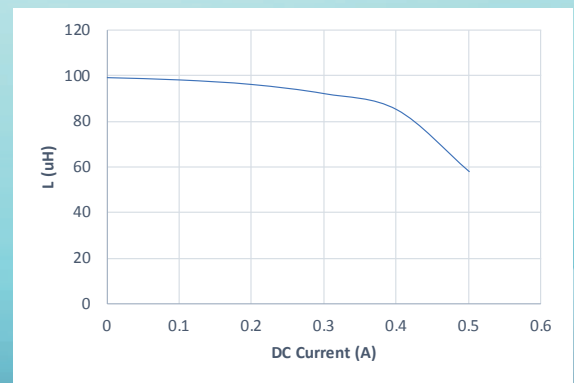
HNT4018MT470



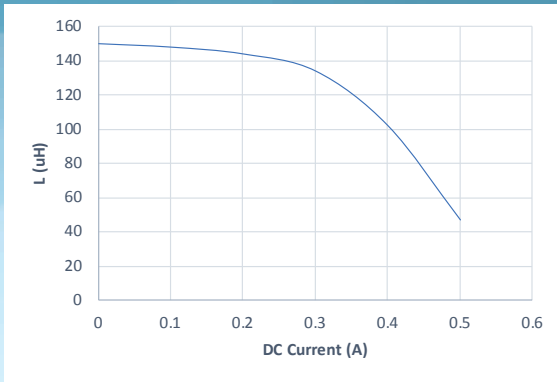
HNT4018MT680



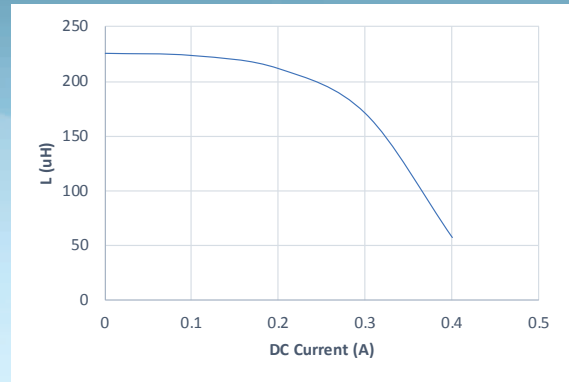
HNT4018MT101



HNT4018MT151



HNT4018MT221



Ordering information

HNT - 4018 - M - T - 1R0

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

- (1) Type : SMD Power Inductor
- (2) Size : 4018 is size
- (3) Tolerance : M=20%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1R0 for 1uH, 100 for 10uH, 101 for 100uH...

Characteristics

- Isat for Inductance drop 30% from its value without current
- Irms for a 40°C rise above 25°C ambient
- Operating temperature range : -40°C to 125°C (Including self-temperature rise)

Test equipment

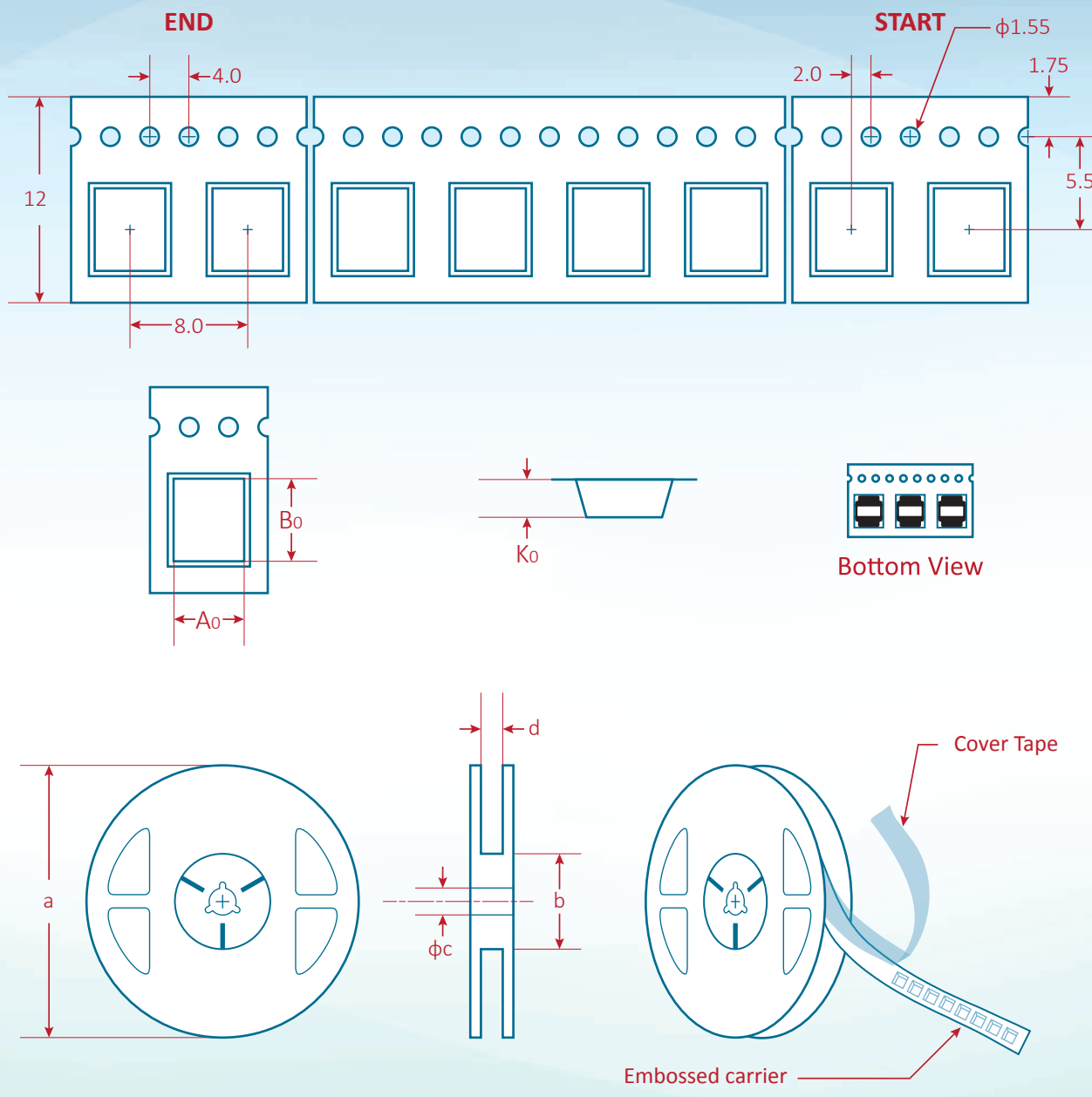
- L : Agilent/ HP4284A+ Agilent/ HP42841A, 100kHz, 1V
- DCR : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/ HP4284A, 100kHz, 1V



HNT4018

Packing

Dimensions in mm



Item	A ₀	B ₀	K ₀	a	b	φ _c	d
HNT4018	4.25	4.25	2.1	178	60	13	13.2
Reel							
Q'ty(Pcs)							
800							