

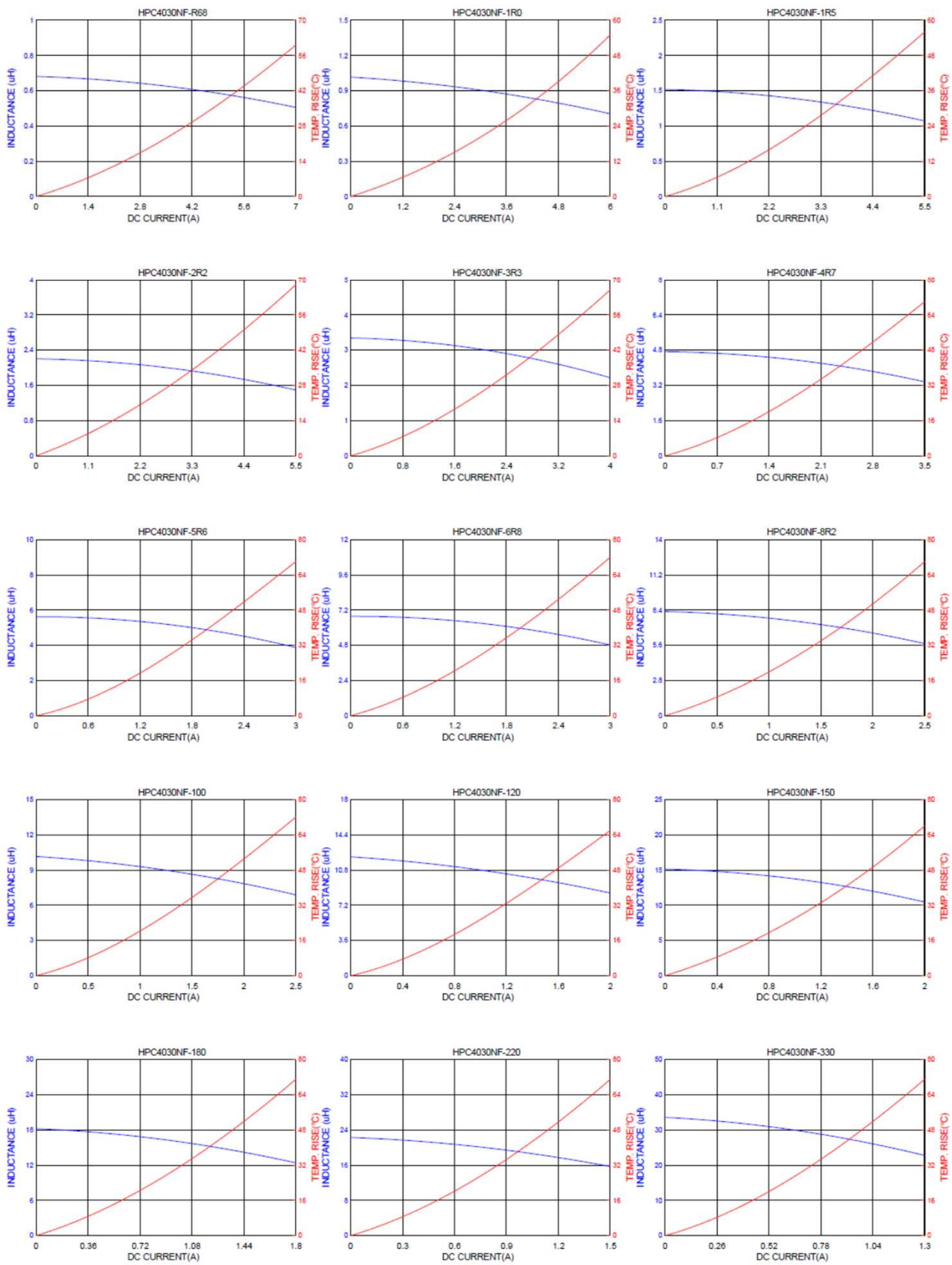
5. Specification

Part Number	Inductance L0 (uH)±20% @ 0 A	Rated current		DCR (mΩ) @25℃ ±20%.
		Tempetature current I rms (A)	Saturation current I sat (A)	
HPC4030NF-R68M	0.68	4.60	6.80	10
HPC4030NF-1R0M	1.00	4.20	5.30	14
HPC4030NF-1R5M	1.50	3.40	4.90	20
HPC4030NF-2R2M	2.20	3.00	4.90	30
HPC4030NF-3R3M	3.30	2.40	3.30	40
HPC4030NF-4R7M	4.70	2.05	2.90	60
HPC4030NF-5R6M	5.60	1.95	2.60	65
HPC4030NF-6R8M	6.80	1.80	2.75	90
HPC4030NF-8R2M	8.20	1.60	2.10	90
HPC4030NF-100M	10.0	1.50	2.00	100
HPC4030NF-120M	12.0	1.30	1.80	135
HPC4030NF-150M	15.0	1.20	1.70	190
HPC4030NF-180M	18.0	1.10	1.50	200
HPC4030NF-220M	22.0	1.00	1.30	225
HPC4030NF-330M	33.0	0.85	1.10	330
HPC4030NF-470M	47.0	0.72	0.95	445

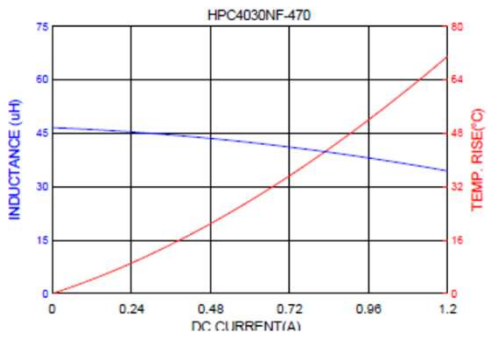
Note:

1. All test data referenced to 25℃ ambient , Ls:100KHz/1V.
2. Testing Instrument : HP4284A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH502BC MICRO OHMMETER.
3. Heat Rated Current (I rms) will cause the coil temperature rise approximately Δ t of 40℃.
4. Saturation Current (I sat) will cause L0 to drop approximately 30%.
5. The part temperature (ambient + temp rise) should not exceed 125℃under worst case operating conditions.Circuit design,component,PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

10. Typical Performance Curve



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