

PIN Power Inductor RCR-108D



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 10.5 × 10.5 × 8.5mm Max.
- Product weight: 2.3 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C~+85°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+85°C

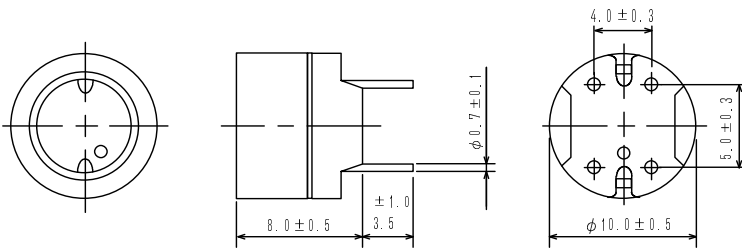
Packaging

- Box packaging.

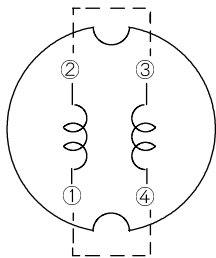
Applications

- Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. as DC-DC Converter inductors.

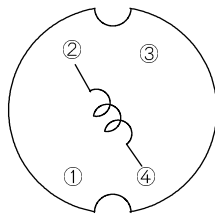
Dimension - [mm]



Schematics - [mm]



1.0 μ H~8.2 μ H



10 μ H~1.0mH

Part Name	Stamp	Inductance (μ H) [Within] ※1	D.C.R.(Ω) [Max.] (at 20℃)	Rated Current (A) ※2	S.R.F. (MHz) <Ref.>
RCR108DNP-1R0N	1R0N	1.0 μ H $\pm$ 30%	6.5m	9.15	61.5
RCR108DNP-1R5N	1R5N	1.5 μ H $\pm$ 30%	8.5m	7.40	48.0
RCR108DNP-2R2N	2R2N	2.2 μ H $\pm$ 30%	9.5m	6.05	38.0
RCR108DNP-3R3N	3R3N	3.3 μ H $\pm$ 30%	13.5m	4.90	32.0
RCR108DNP-4R3N	4R3N	4.3 μ H $\pm$ 30%	14.5m	4.25	26.5
RCR108DNP-5R6N	5R6N	5.6 μ H $\pm$ 30%	18.5m	3.65	23.0
RCR108DNP-6R8N	6R8N	6.8 μ H $\pm$ 30%	20.0m	3.40	20.0
RCR108DNP-8R2N	8R2N	8.2 μ H $\pm$ 30%	20.5m	3.00	18.5
RCR108DNP-100M	100M	10 μ H $\pm$ 20%	50m	2.80	29.3
RCR108DNP-120M	120M	12 μ H $\pm$ 20%	60m	2.50	23.0
RCR108DNP-150M	150M	15 μ H $\pm$ 20%	70m	2.30	19.5
RCR108DNP-180M	180M	18 μ H $\pm$ 20%	80m	2.10	18.7
RCR108DNP-220M	220M	22 μ H $\pm$ 20%	90m	2.00	17.0
RCR108DNP-270M	270M	27 μ H $\pm$ 20%	0.10	1.76	14.5
RCR108DNP-330M	330M	33 μ H $\pm$ 20%	0.11	1.60	12.7
RCR108DNP-390M	390M	39 μ H $\pm$ 20%	0.12	1.38	11.6
RCR108DNP-470M	470M	47 μ H $\pm$ 20%	0.14	1.28	9.72
RCR108DNP-560L	560L	56 μ H $\pm$ 15%	0.15	1.20	8.91
RCR108DNP-680L	680L	68 μ H $\pm$ 15%	0.16	1.00	8.04
RCR108DNP-820L	820L	82 μ H $\pm$ 15%	0.18	0.96	7.70
RCR108DNP-101L	101L	100 μ H $\pm$ 15%	0.20	0.92	6.64
RCR108DNP-121L	121L	120 μ H $\pm$ 15%	0.24	0.80	5.84
RCR108DNP-151L	151L	150 μ H $\pm$ 15%	0.35	0.73	5.18
RCR108DNP-181L	181L	180 μ H $\pm$ 15%	0.40	0.64	4.83
RCR108DNP-221L	221L	220 μ H $\pm$ 15%	0.54	0.61	4.00
RCR108DNP-271L	271L	270 μ H $\pm$ 15%	0.76	0.56	3.63
RCR108DNP-331L	331L	330 μ H $\pm$ 15%	0.86	0.50	3.51
RCR108DNP-391L	391L	390 μ H $\pm$ 15%	0.93	0.44	3.28
RCR108DNP-471L	471L	470 μ H $\pm$ 15%	1.23	0.41	2.62
RCR108DNP-561L	561L	560 μ H $\pm$ 15%	1.34	0.38	2.46
RCR108DNP-681L	681L	680 μ H $\pm$ 15%	1.53	0.34	2.24
RCR108DNP-821L	821L	820 μ H $\pm$ 15%	2.10	0.32	2.06
RCR108DNP-102L	102L	1.0mH $\pm$ 15%	2.30	0.28	1.94

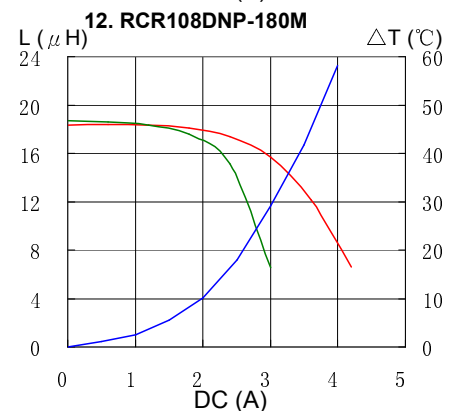
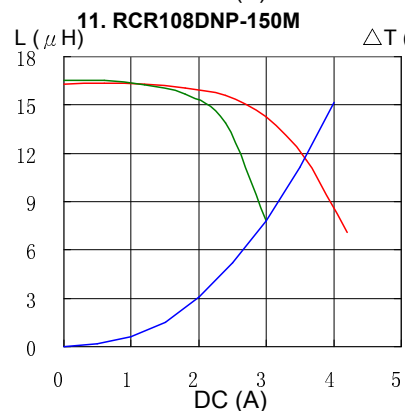
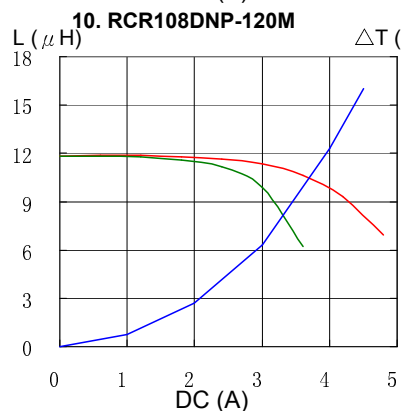
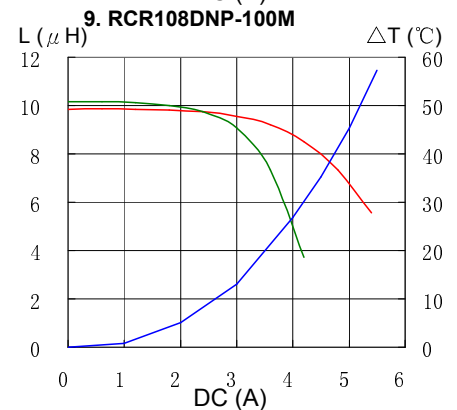
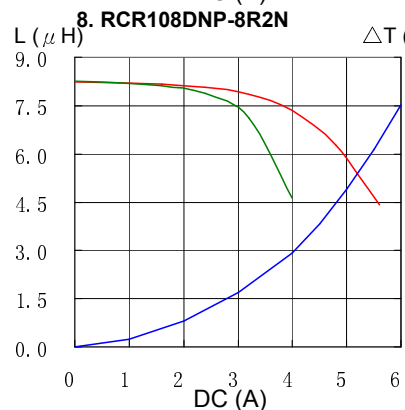
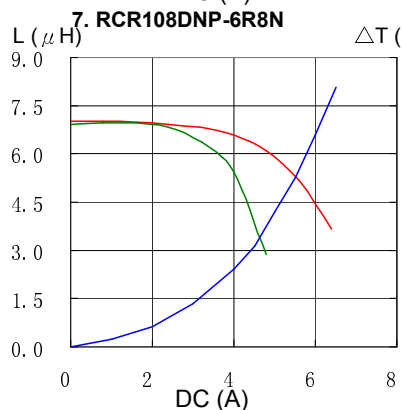
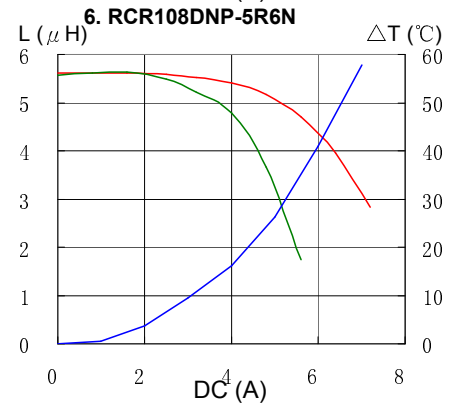
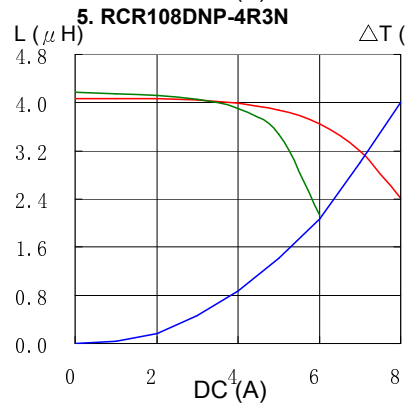
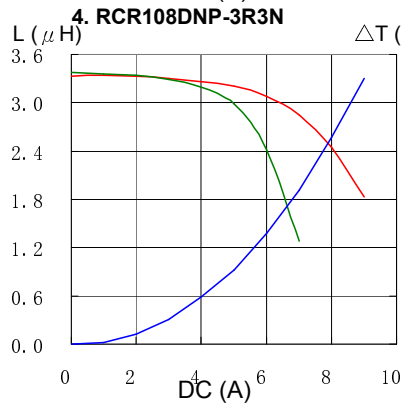
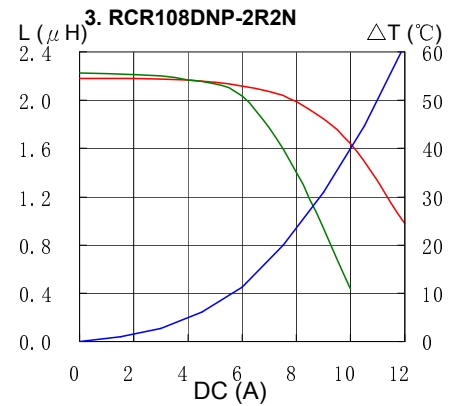
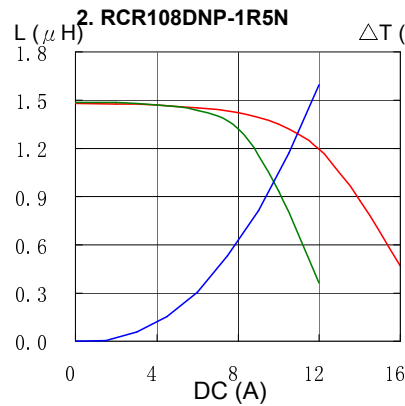
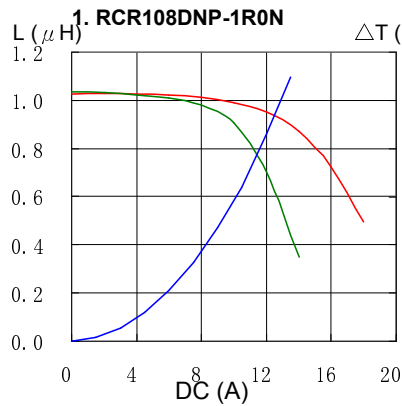
Revised: 4-Jun-12

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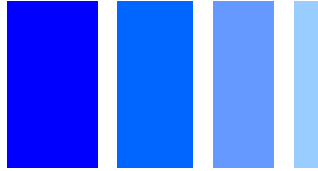


Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

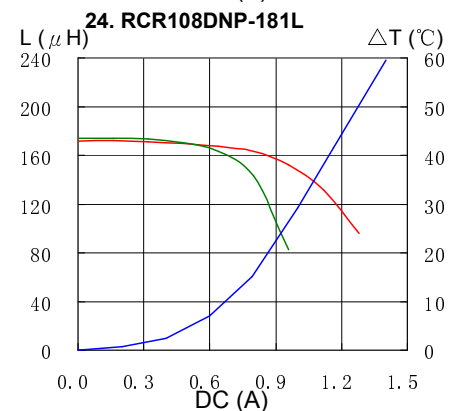
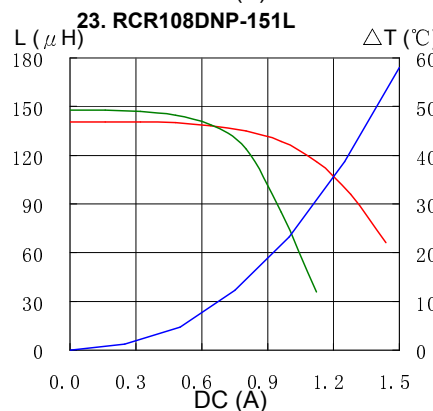
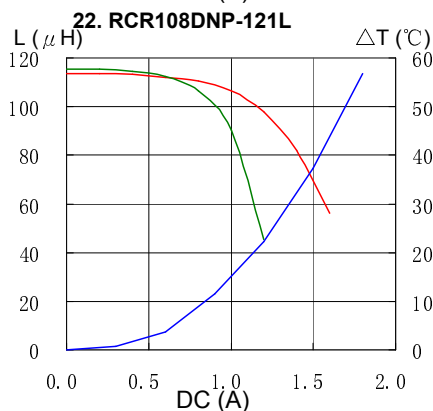
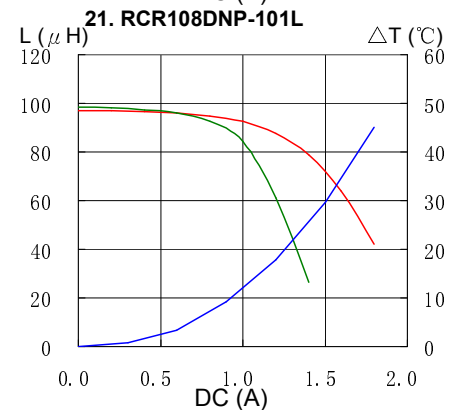
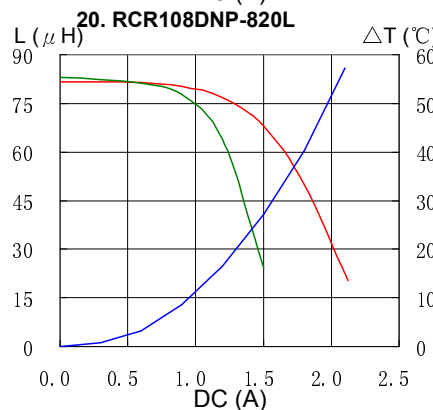
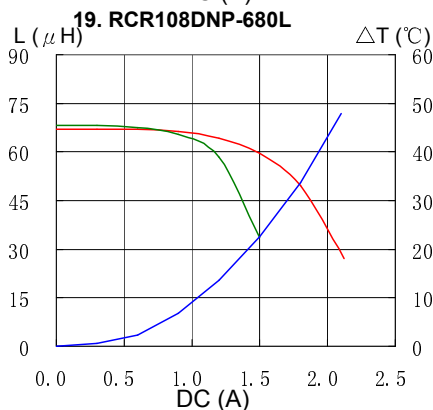
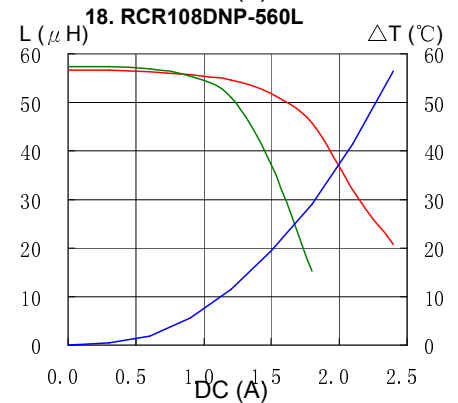
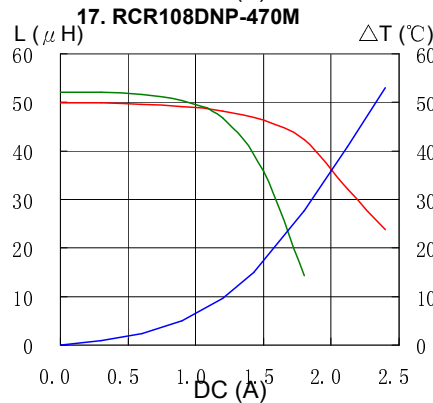
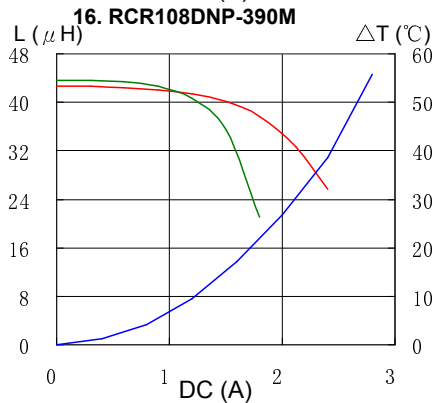
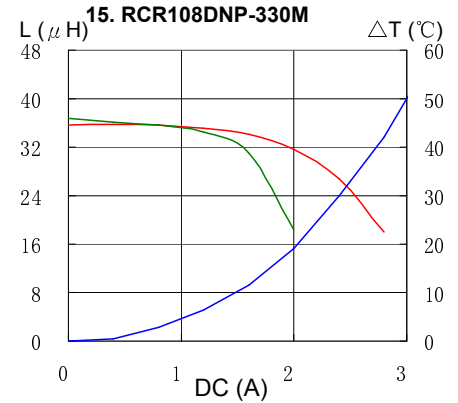
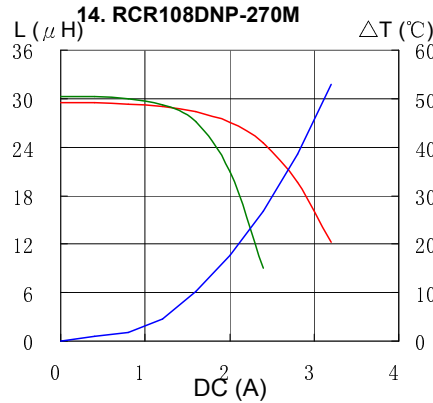
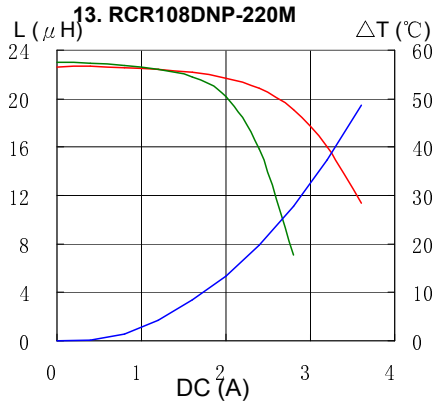


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Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

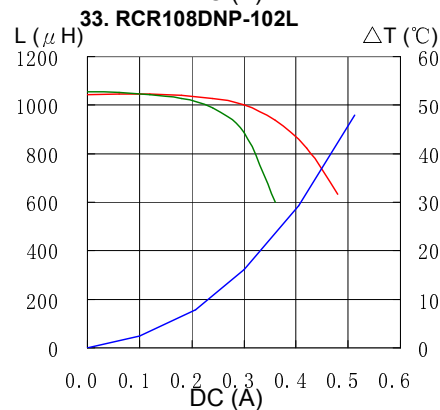
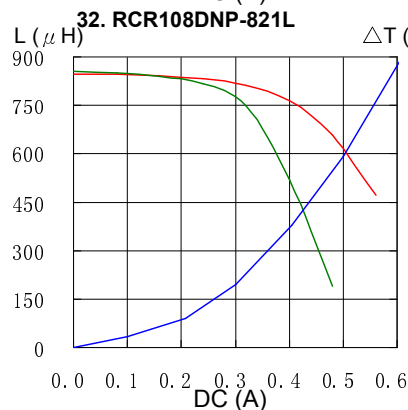
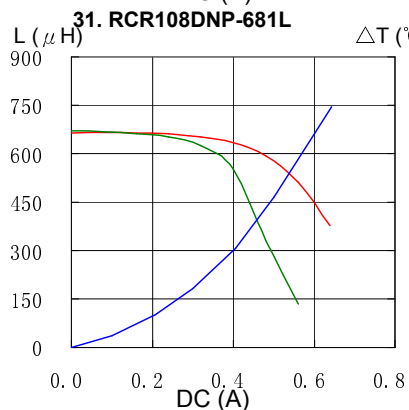
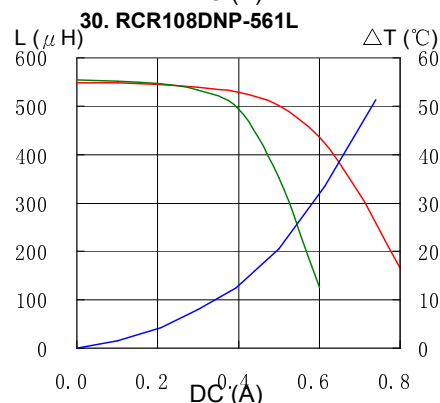
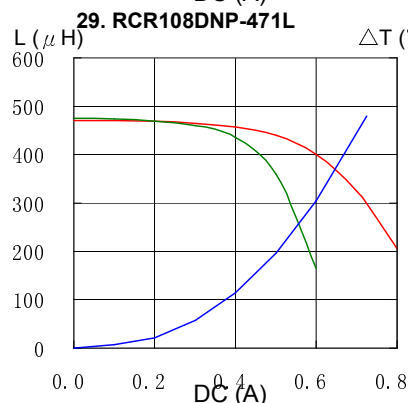
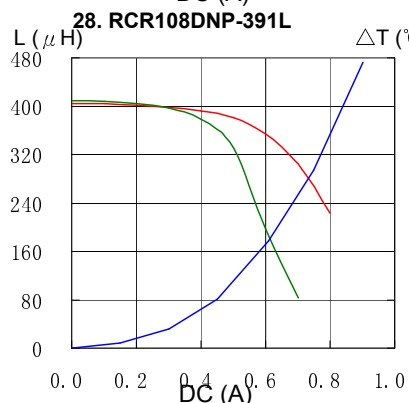
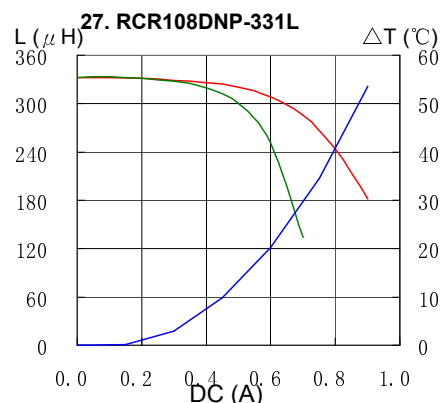
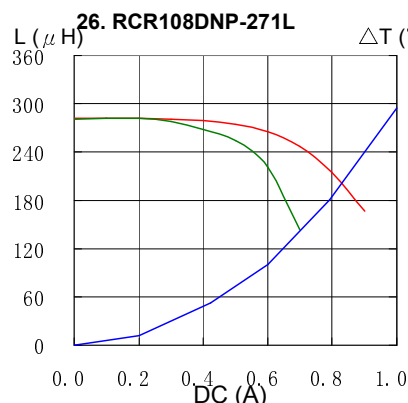
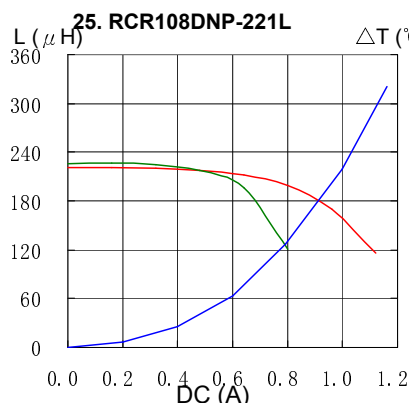


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— L (20°C) — L (100°C) — ΔT



Please refer to the sales offices on our website - <http://www.sumida.com>

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