

7E06NB



■ Features

- SMD magnetically shielded type of power inductor
- Suitable as power supply choke coil
- Powered DC Current

Magnetic structure :

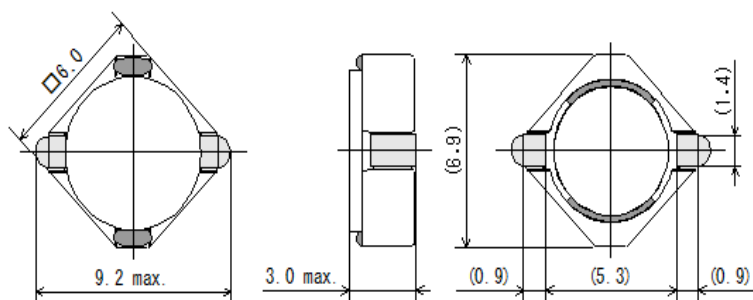


Weight : 0.36 g

■ Applications

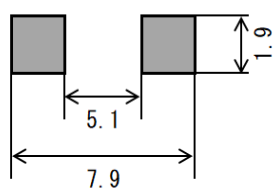
- Audio Visual/Camera, Recorder, TV and Monitor
- Automotive/Antenna
- Computer & Peripheral Device/Printer(MFP), Industrial Machines, Computer
- Home Electronics/LED Lights
- Others/FA, Medical, Energy, Power Supply, Transceivers

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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 Engineering Dept. TEL : +81 45 521 4543

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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR (Ω) $\pm 30\%$	DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
7E06NB-1R2N	1.2 $\pm 30\%$	0.00980	3.60	5.20
7E06NB-1R5N	1.5 $\pm 30\%$	0.0130	3.40	4.60
7E06NB-2R2N	2.2 $\pm 30\%$	0.0170	2.70	4.00
7E06NB-3R3N	3.3 $\pm 30\%$	0.0220	2.60	3.50
7E06NB-3R9N	3.9 $\pm 30\%$	0.0250	2.20	3.30
7E06NB-4R7N	4.7 $\pm 30\%$	0.0310	2.10	2.90
7E06NB-5R6N	5.6 $\pm 30\%$	0.0350	1.90	2.80
7E06NB-6R8N	6.8 $\pm 30\%$	0.0430	1.70	2.40
7E06NB-8R2N	8.2 $\pm 30\%$	0.0480	1.60	2.30
7E06NB-100M	10 $\pm 20\%$	0.0580	1.40	2.00
7E06NB-120M	12 $\pm 20\%$	0.0690	1.30	1.80
7E06NB-150M	15 $\pm 20\%$	0.0860	1.20	1.60
7E06NB-180M	18 $\pm 20\%$	0.0990	1.10	1.50
7E06NB-220M	22 $\pm 20\%$	0.120	1.00	1.30
7E06NB-270M	27 $\pm 20\%$	0.140	0.900	1.20
7E06NB-330M	33 $\pm 20\%$	0.200	0.800	1.05
7E06NB-390M	39 $\pm 20\%$	0.210	0.750	0.980
7E06NB-470M	47 $\pm 20\%$	0.290	0.670	0.870
7E06NB-560M	56 $\pm 20\%$	0.320	0.630	0.830
7E06NB-680M	68 $\pm 20\%$	0.390	0.570	0.710
7E06NB-820M	82 $\pm 20\%$	0.450	0.530	0.660
7E06NB-101M	100 $\pm 20\%$	0.560	0.480	0.600
7E06NB-121M	120 $\pm 20\%$	0.620	0.450	0.560
7E06NB-151M	150 $\pm 20\%$	0.900	0.380	0.470
7E06NB-181M	180 $\pm 20\%$	1.00	0.360	0.430
7E06NB-221M	220 $\pm 20\%$	1.55	0.280	0.360
7E06NB-271M	270 $\pm 20\%$	1.75	0.260	0.330

Inductance Measuring Condition: 100kHz, 1V(<10 μ H), 1kHz, 1V($\geq 10\mu$ H)

DC saturation allowable current: The current value which inductance decrease within 35% from the initial value

Temperature rise allowable current: The rise in temperature of core surface is 25°C



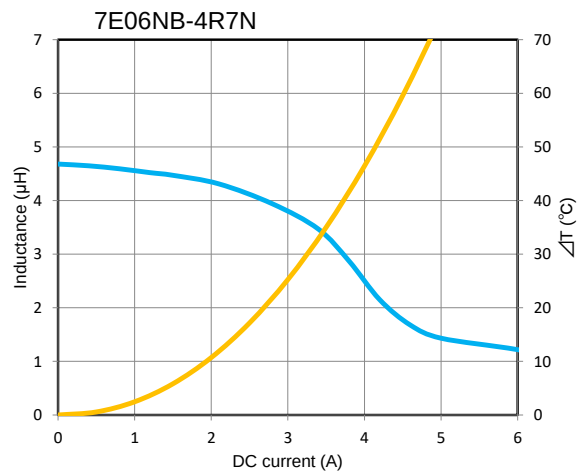
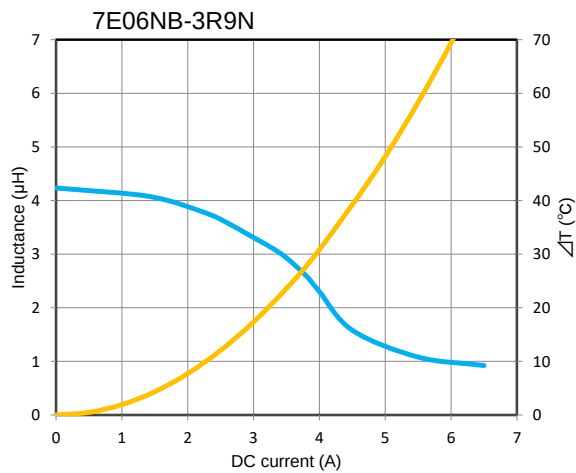
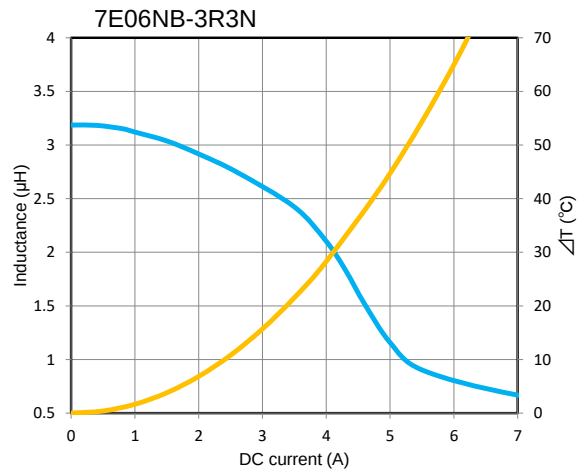
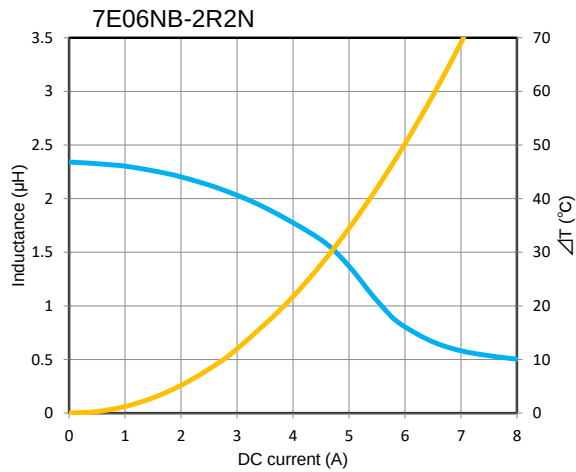
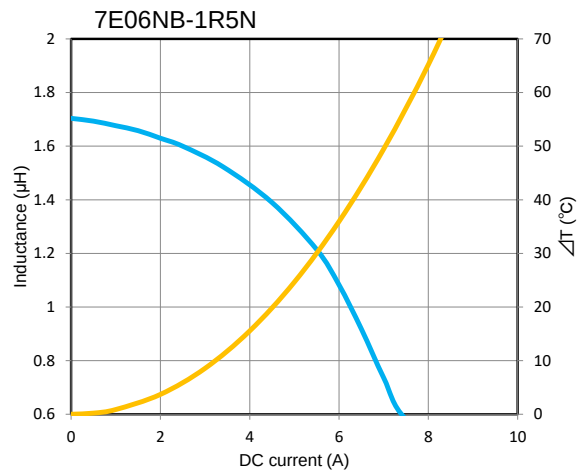
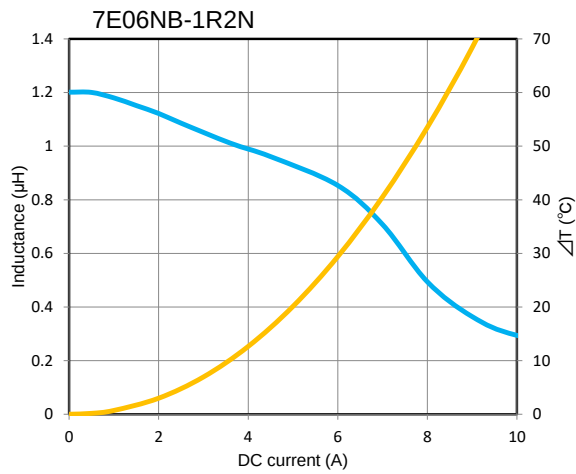
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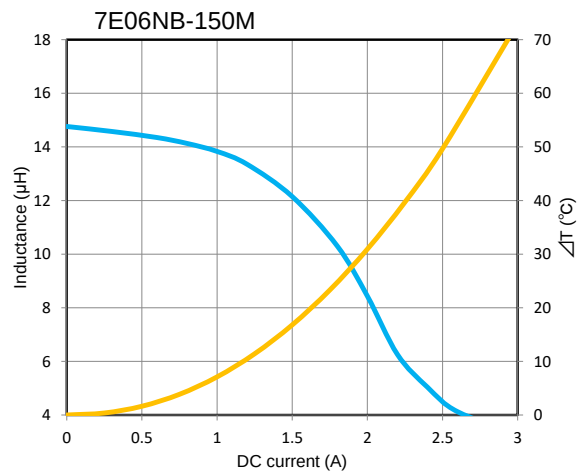
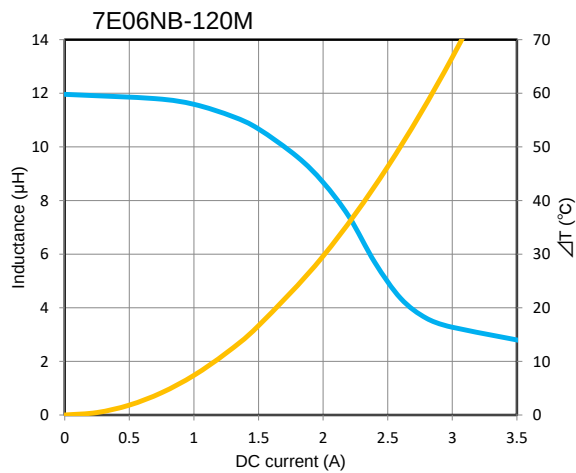
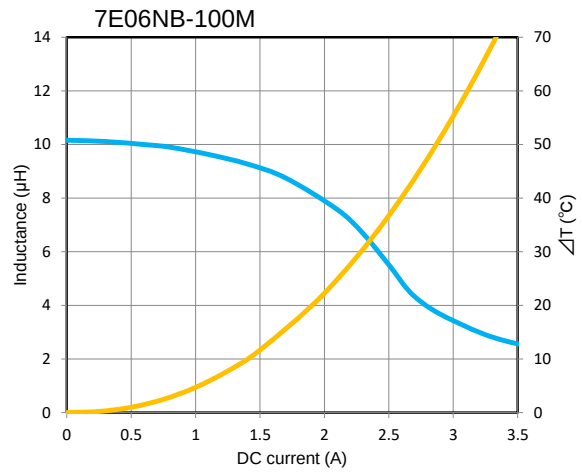
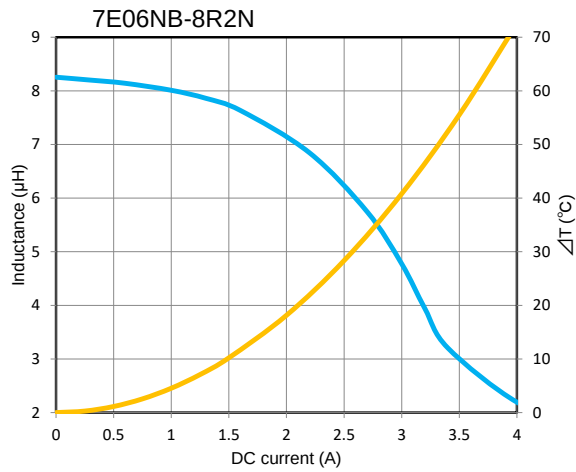
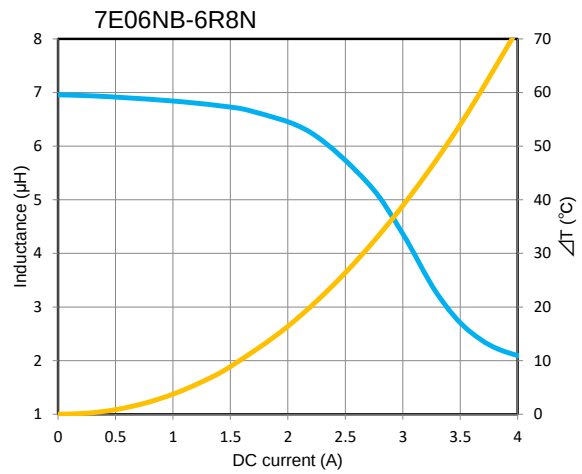
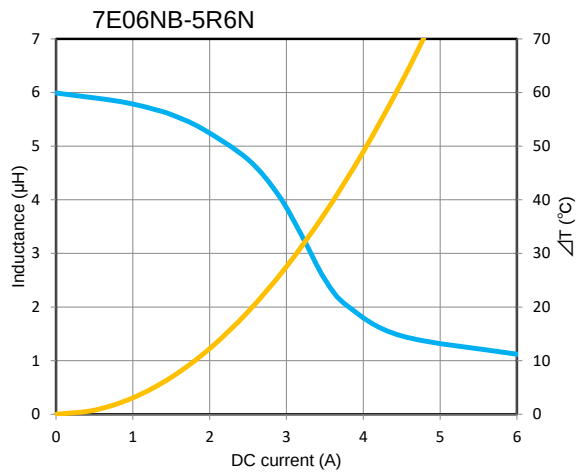
DC bias characteristics vs Temperature Rise Graph

— $L(25^{\circ}\text{C})$
— ΔT



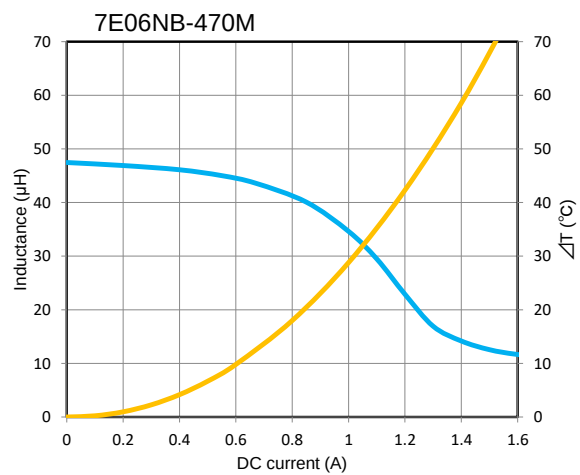
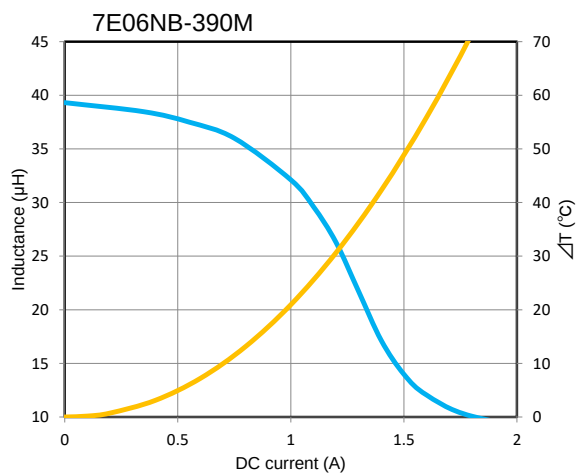
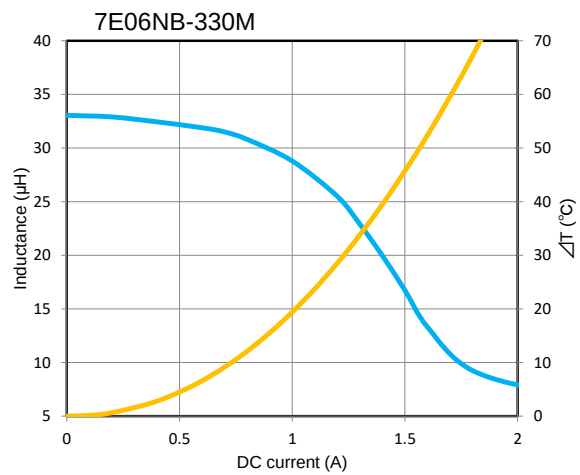
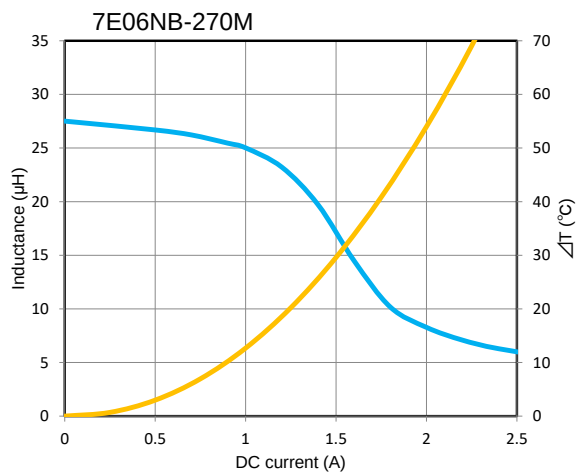
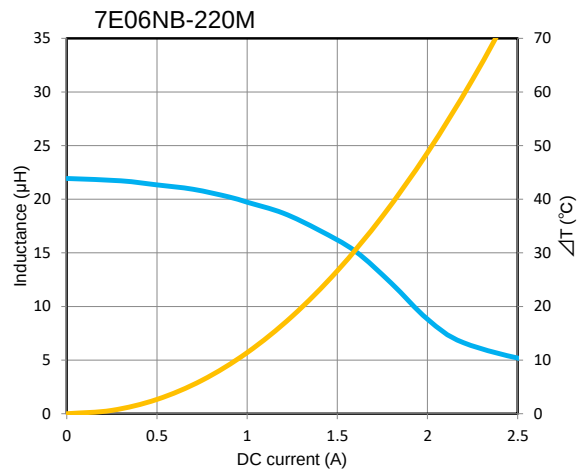
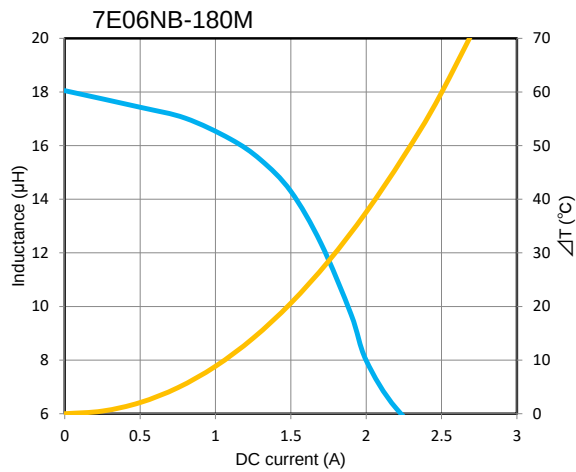
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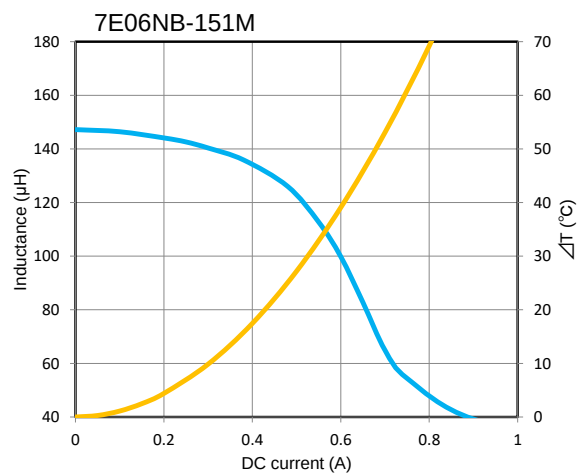
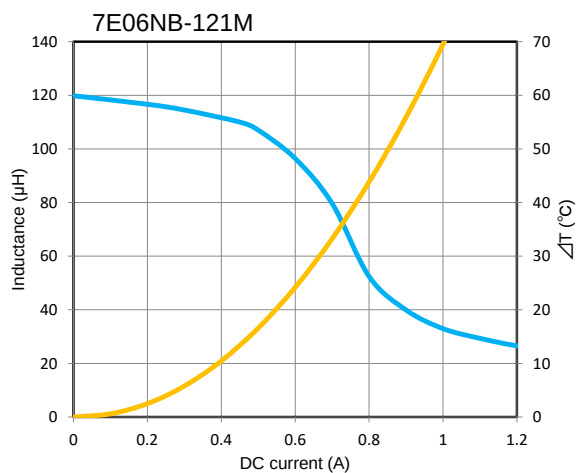
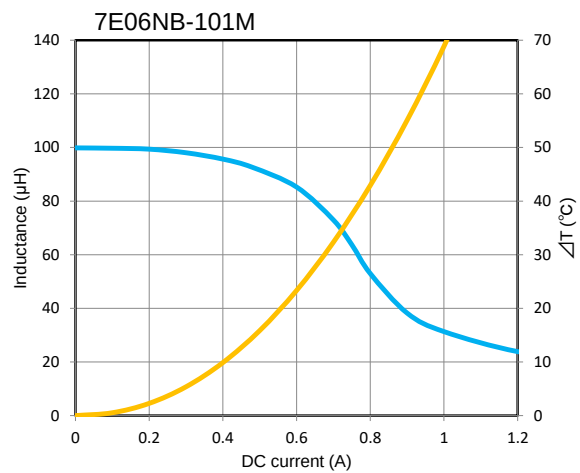
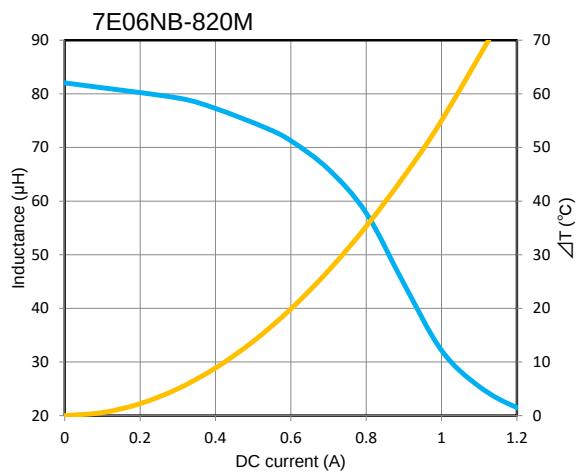
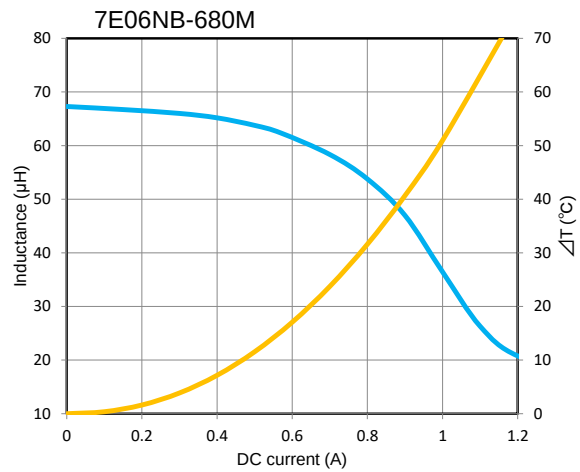
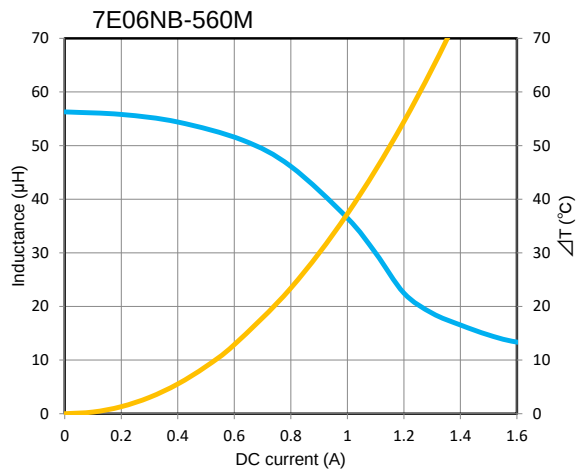
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DC bias characteristics vs Temperature Rise Graph

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DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ ΔT

