

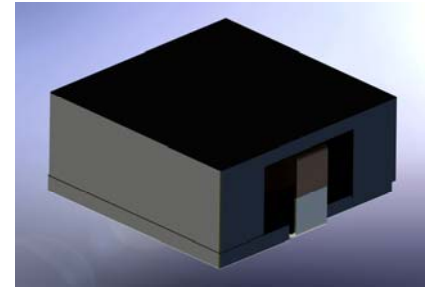


SC7236D Series

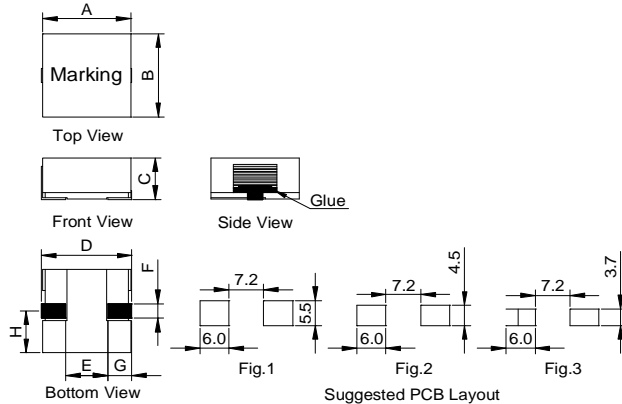


1. Features:

- Alloy powder based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, up to 26.0 Amp with approx. 30% roll off.
- Flat wire windings provide extremely low DC and AC resistance.
- Operating Temperature Range -55°C to +130°C, RoHs & HF compliance.
- T & R Qty: 150 pcs , 13" Reel.



2. Mechanical Dimension (Unit in mm):



Type	SC7236D
A	18.2 ± 0.5
B	18.2 ± 0.5
C	9.5 (Max.)
D	18.2 ± 1.0
E	8.2 (Ref.)
F	See Table
G	5.0 ± 1.0
H	9.1 ± 1.0

3. Electrical Characteristics:

EMC Part Number	OCL (uH) ±20%	DCR (mΩ) ±8%	Isat (A) @25°C	Irms (A) @25°C	Dim. F (mm) ± 0.5	PCB Layout Fig.
SC7236D-7R6MHF	7.6	3.9	26.0	23.0	4.2	1
SC7236D-9R5MHF	9.5	4.8	22.0	21.0	4.2	1
SC7236D-110MHF	11.0	5.9	21.0	18.5	4.2	1
SC7236D-140MHF	14.0	6.9	20.0	17.5	4.2	1
SC7236D-160MHF	16.0	8.7	17.5	15.5	4.2	1
SC7236D-190MHF	19.0	9.0	16.0	15.0	4.2	1
SC7236D-220MHF	22.0	10.7	15.3	14.0	4.2	1
SC7236D-250MHF	25.0	13.8	14.5	12.0	4.2	1
SC7236D-280MHF	28.0	14.6	14.0	11.5	4.2	1
SC7236D-320MHF	32.0	19.3	13.0	10.5	3.2	2
SC7236D-360MHF	36.0	20.4	12.5	10.0	3.2	2
SC7236D-400MHF	40.0	21.5	12.0	9.5	3.2	2
SC7236D-440MHF	44.0	21.7	11.7	9.2	3.2	2
SC7236D-480MHF	48.0	32.8	10.5	8.0	2.4	3
SC7236D-530MHF	53.0	33.5	9.8	7.7	2.4	3
SC7236D-580MHF	58.0	43.0	9.5	6.7	2.4	3
SC7236D-630MHF	63.0	44.1	9.0	6.5	2.4	3
SC7236D-680MHF	68.0	45.0	8.8	6.4	2.4	3
SC7236D-730MHF	73.0	47.0	8.7	6.3	2.4	3
SC7236D-790MHF	79.0	48.5	8.6	6.2	2.4	3
SC7236D-850MHF	85.0	50.0	7.8	6.0	2.4	3

Note:

1. Open Circuit Inductance(OCL) and L@Irms and L@Isat are measured at: 300KHz, 0.25V (Ta=25°C).
2. Isat: DC current that causes inductance to drop 30%(Typ.) from OCL ;(Ta=25°C).
3. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C;(Ta=25°C).
4. Inductance vs. DC Current curve, please see the next page to get more detail information.

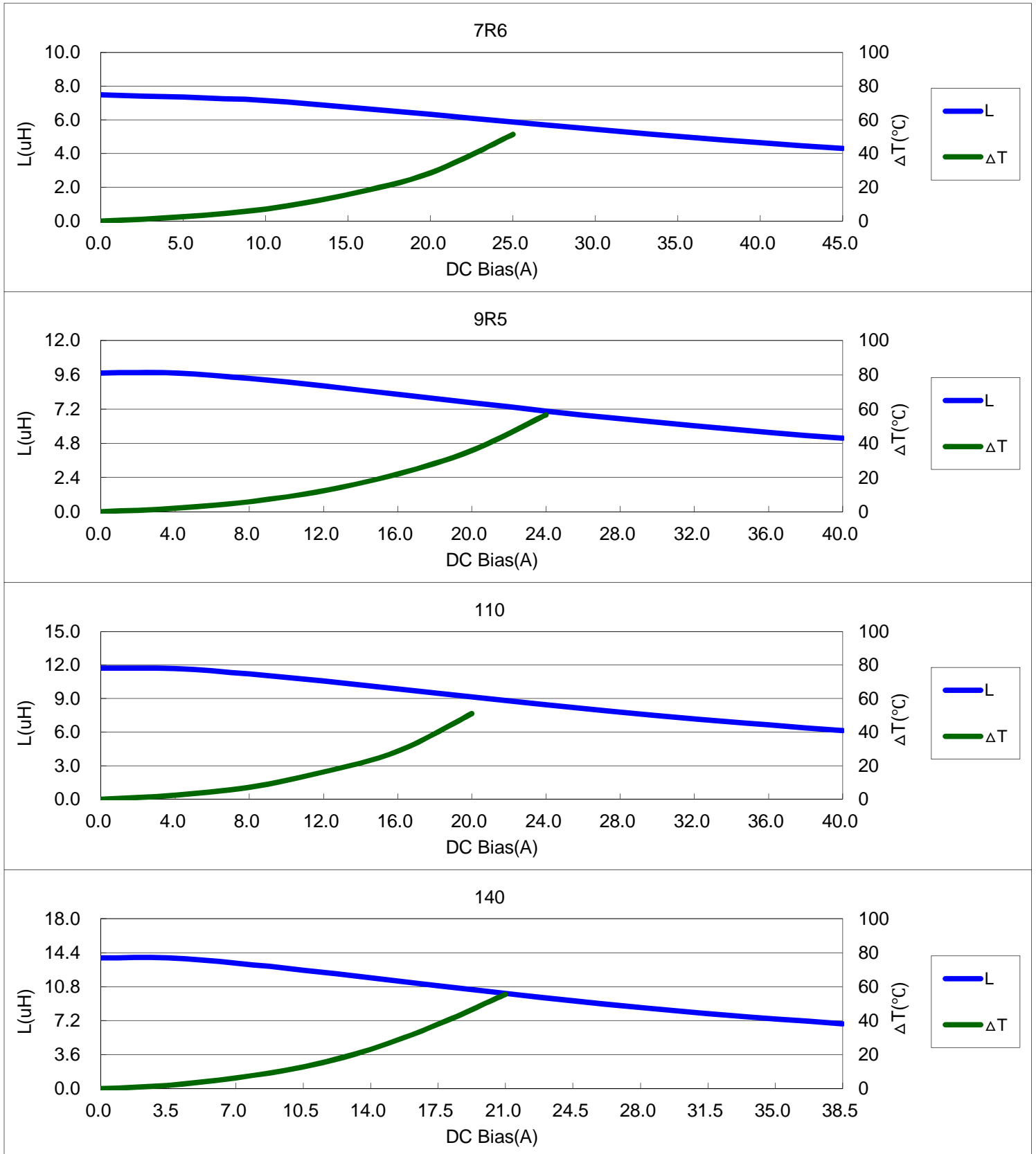
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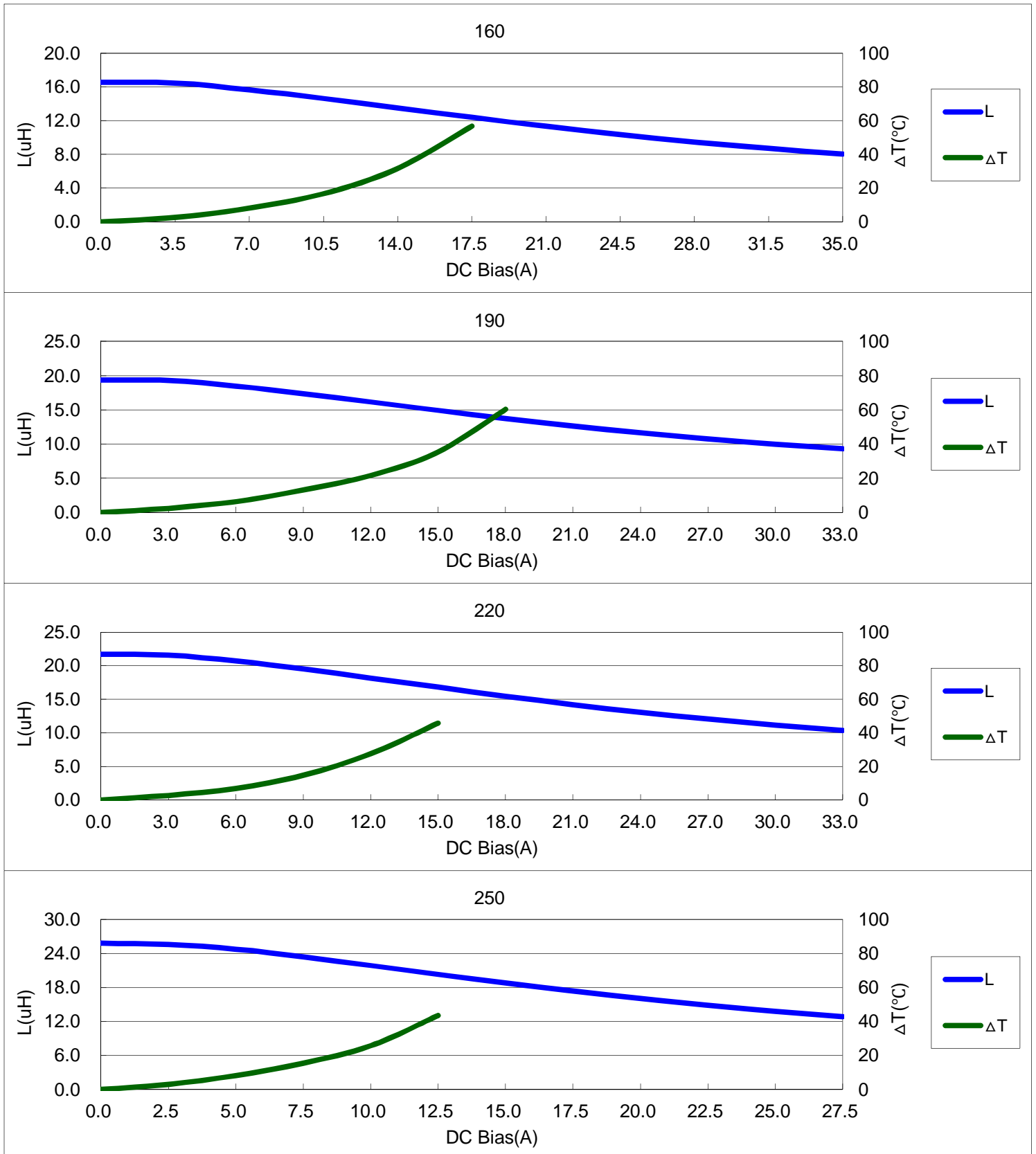
Inductance vs. Current Characteristics





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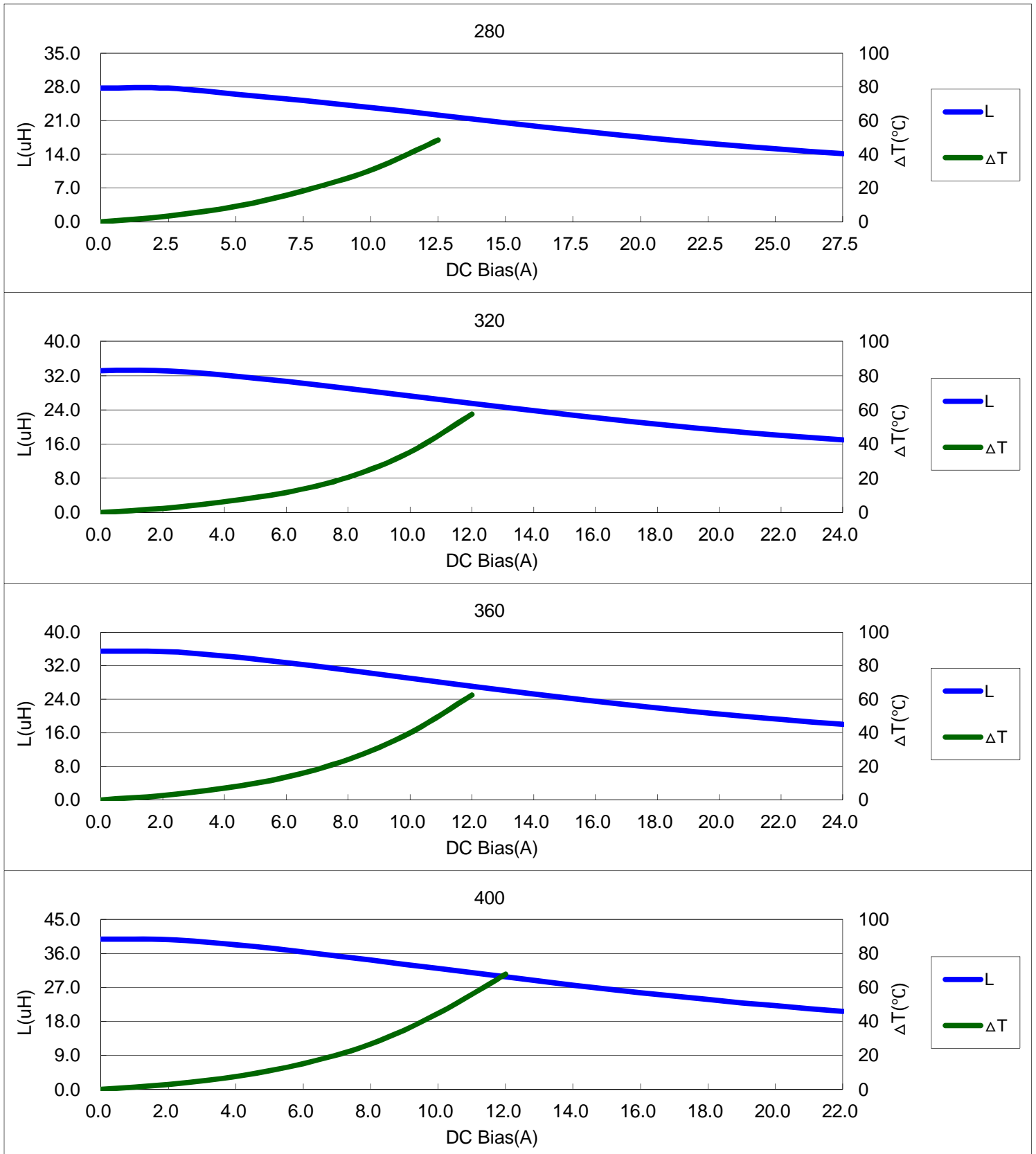
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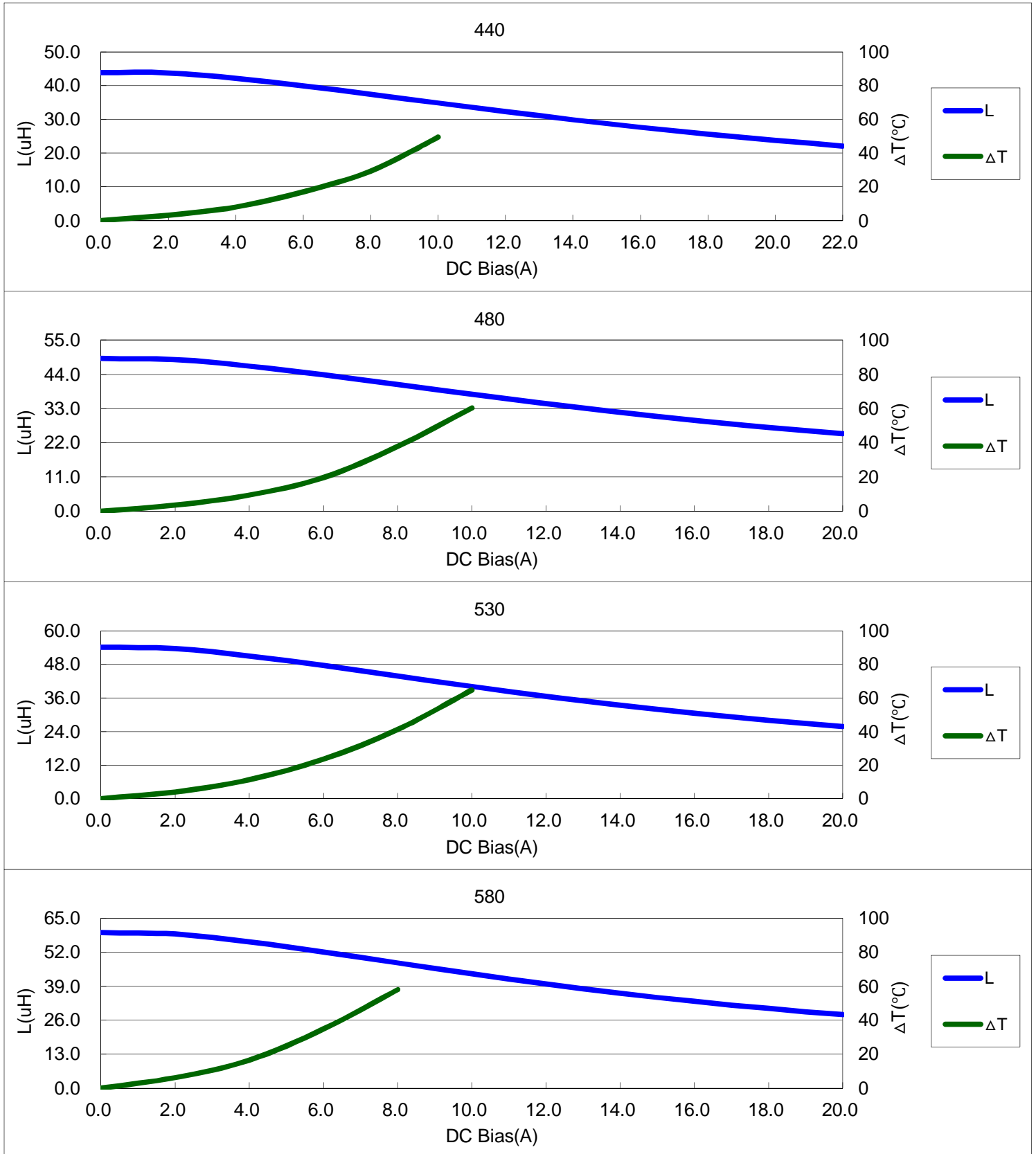
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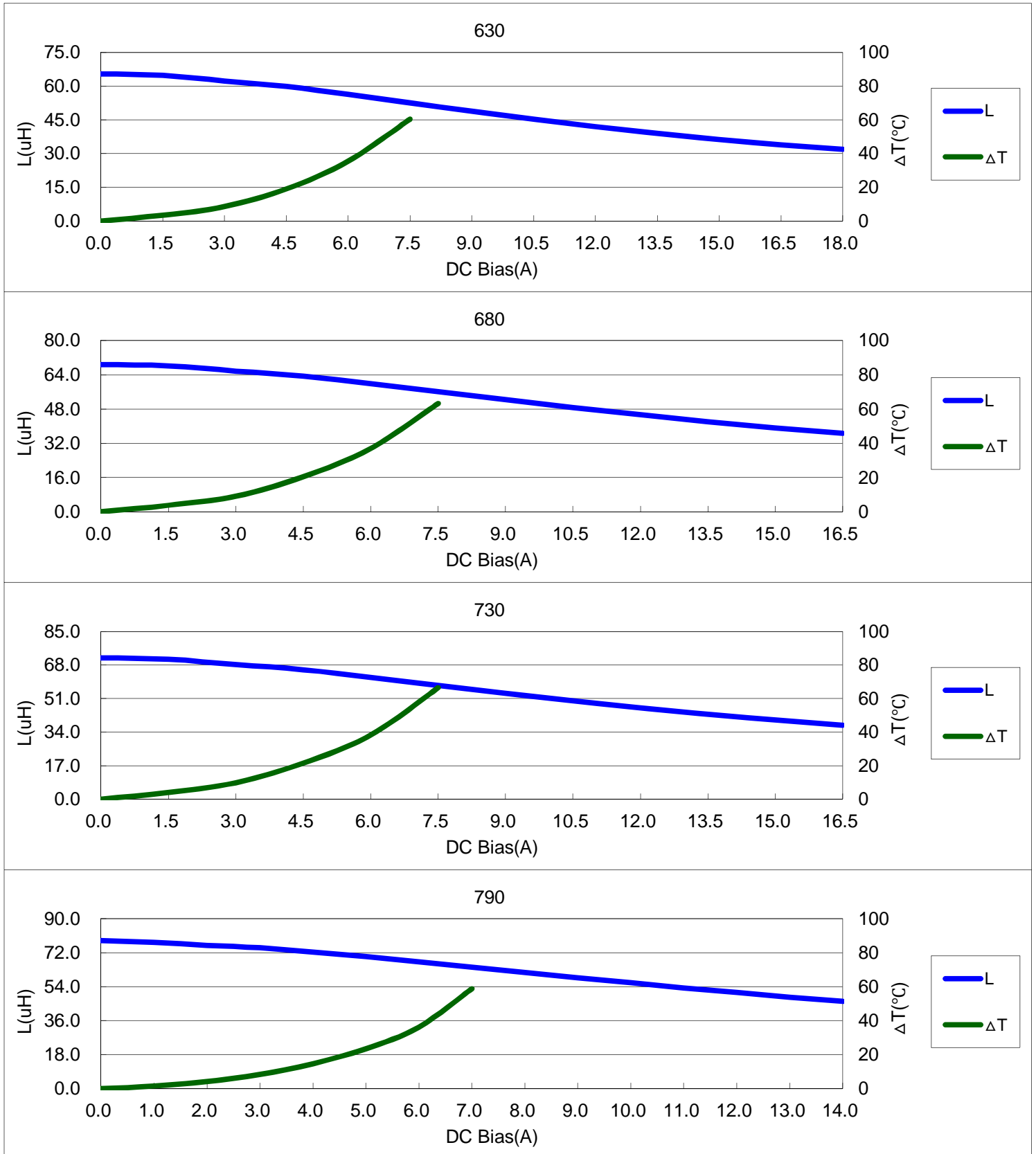
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