

REACTOR FOR INVERTER SYSTEMS

HIGH POWER AC FILTERING



PX1391 SERIES



- High current, high power reactor ideal for AC filtering in grid tied solar inverter and HVAC inverter systems
- Compact size compared with traditional toroidal designs
- Eliminates acoustic noise issue common in lamination core designs
- High energy storage capability
- Available mounted in enclosure with thermally conductive materials for superior heat dissipation
- Operating Temperature: -40°C to +180°C
- Custom Design Available

ELECTRICAL PARAMETERS @ 25°C

Part Number PX1391-	Inductance ($\mu\text{H} \pm 12\%$)	DCR (m Ω Max)	Isat (Typ)			Irms (Typ)		Dimension H (inch / mm)
			10% Drop	20% Drop	30% Drop	40°C	60°C	
100	99	4	51	76	97	56.5	72	2.56 / 65
181	176	7	38.5	56.5	72.5	43.5	55.5	2.56 / 65
241	240	10	33	48.5	62.5	35.5	45.5	2.56 / 65
321	317.5	7	32	47	62	36.5	46.5	3.35 / 85
401	397	16	25.5	38	48.5	40	50.5	2.56 / 65
431	432	11	27	40	51	30	38.5	3.35 / 85
491	490	17.5	23	34	43.5	26.5	34	2.56 / 65
601	595	12	25.5	37.5	48.5	32.5	41.5	4.13 / 105
711	705	28	19	28.5	36.5	30.5	39	2.56 / 65
731	734	17	23	34	43.5	27.5	35	4.13 / 105
881	882	19	19	28	36	22.5	28.5	3.35 / 85
961	960	40	16.5	24	31	25	32	2.56 / 65
971	971	24	20	29.5	38	23	29	4.13 / 105
122	1240	34.5	17.5	26	33.5	19	24.5	4.13 / 105
132	1270	28	18	23	30	26	33	3.35 / 85
172	1729	44	13	20	26	21	27	3.35 / 85
182	1770	34	13.5	20	25.5	16.5	21.5	3.35 / 85
202	1960	70	11.5	17	22	19	24	2.56 / 65
242	2380	48	12.5	19	24	23	29	4.13 / 105
292	2940	68	11.5	17	21.5	19.5	24.5	4.13 / 105
352	3528	76	9.5	14	18	15.5	20	3.35 / 85
392	3890	96	10	15	19	16	20.5	4.13 / 105
502	4960	138	8.5	13	17	13.5	17	4.13 / 105
712	7080.5	136	6.5	10	12.5	11.5	15	3.35 / 85

NOTES:

- Inductance measured @ 10KHz, 0.1Vrms
- Isat is the DC current where the inductance drops the specified amount from its original value.
- Irms is the DC current that causes the specified temperature rise of the winding from 25°C ambient.

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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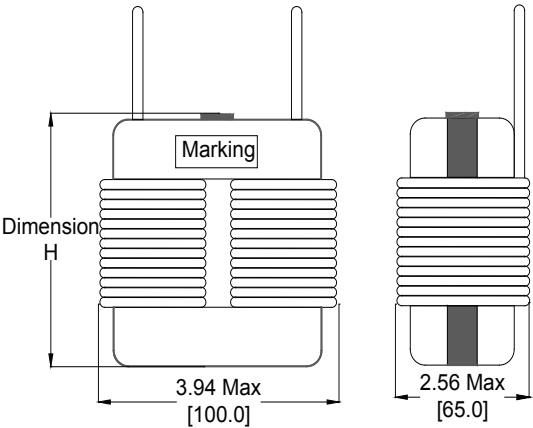
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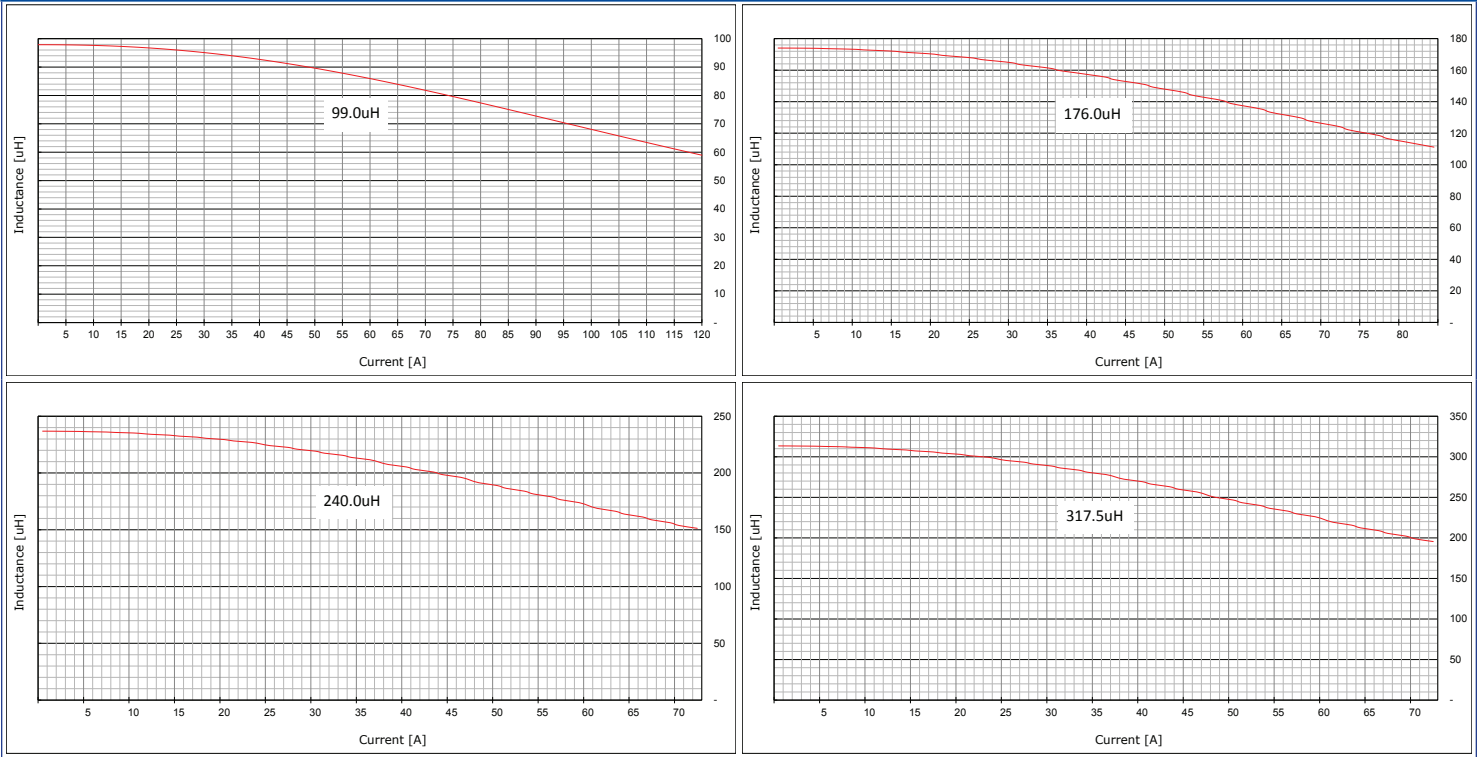
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DIMENSIONS



Leads are for reference only.
Final mounting configuration to
be determined by customer.

DC BIAS CHARACTERISTICS



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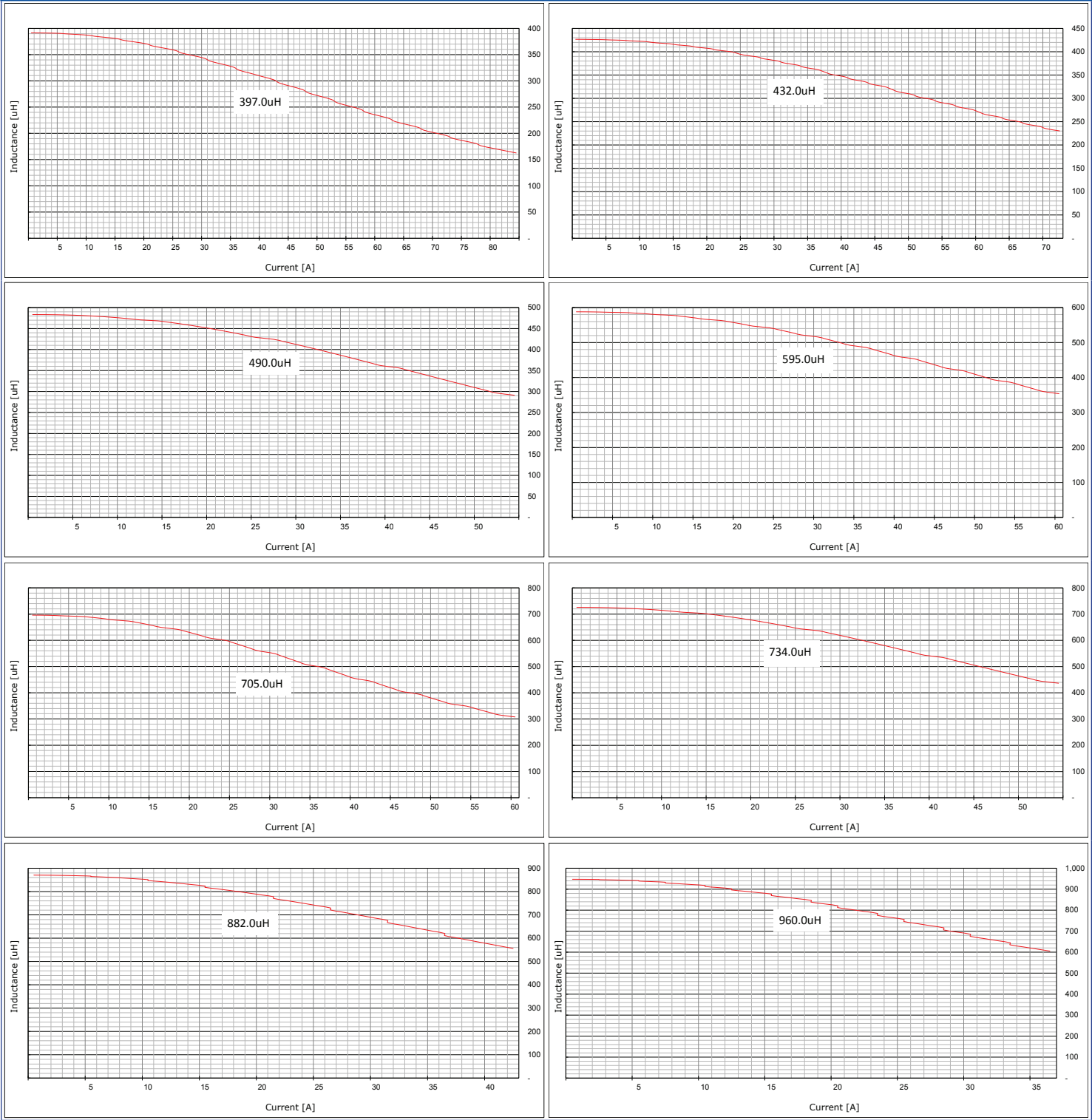
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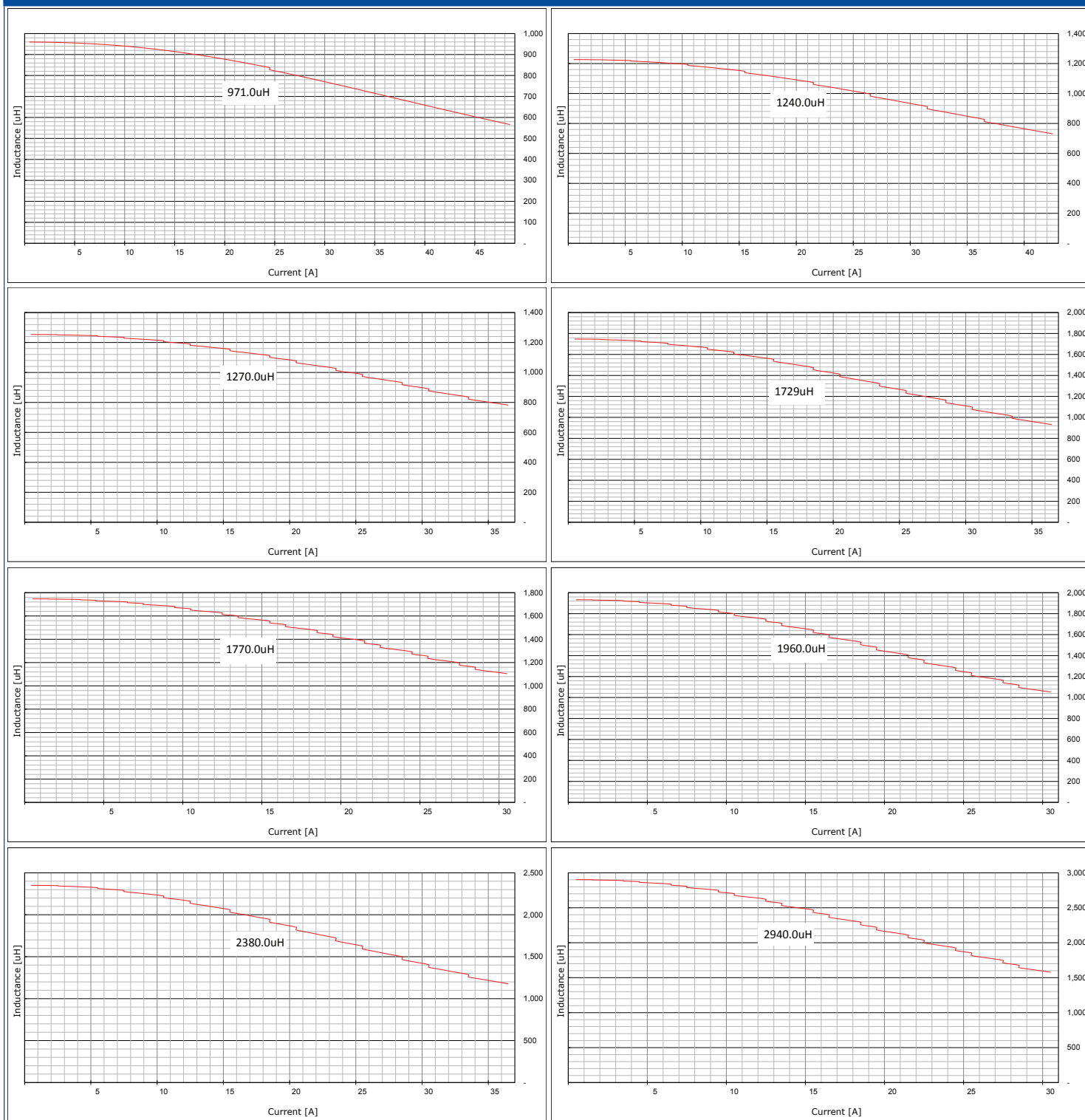
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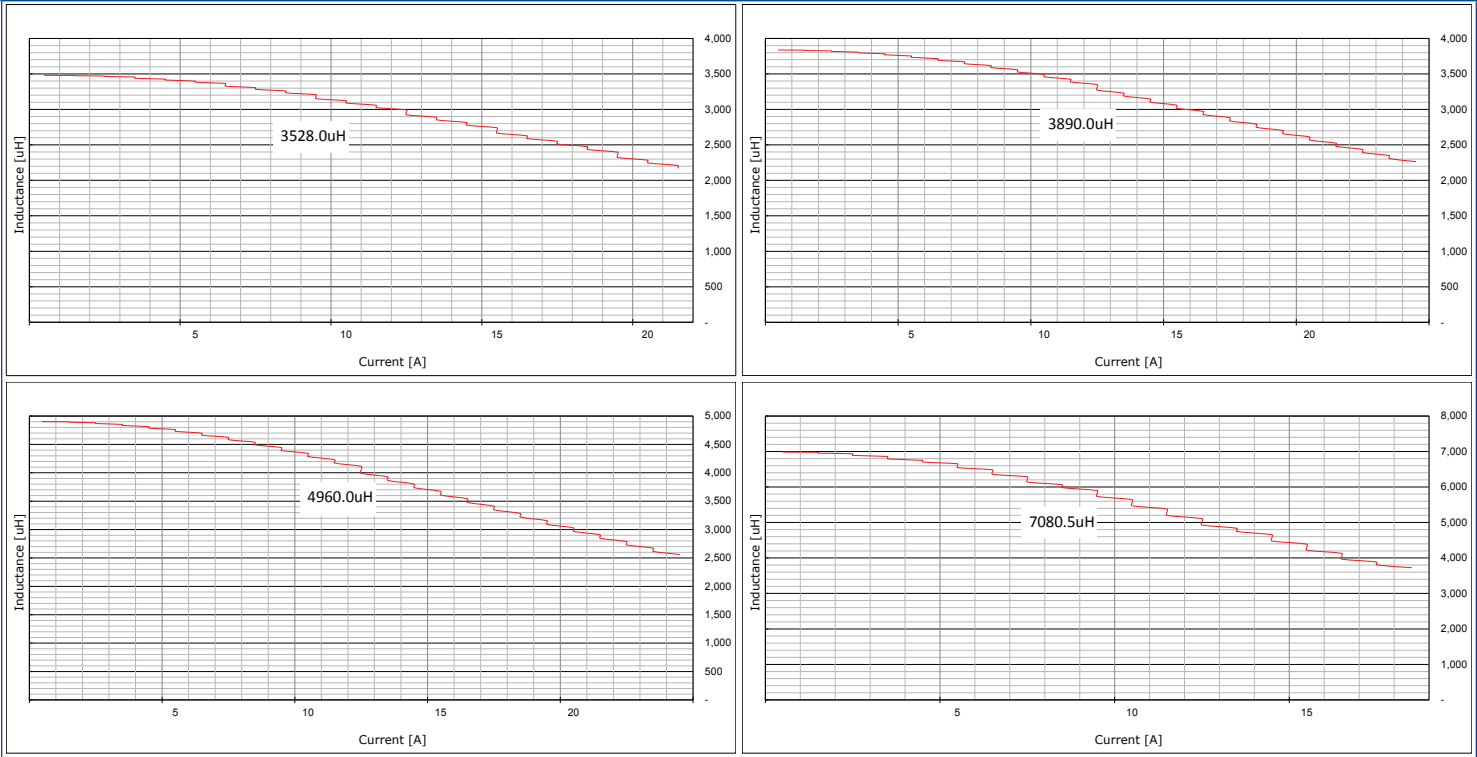
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