

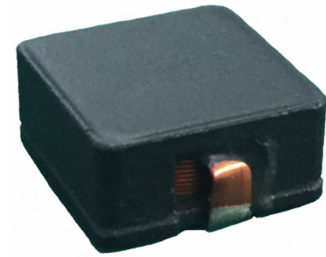
EEA136

HIGH CURRENT POWER INDUCTOR

大电流功率电感

Features

- Compact size using flat wire, and SMD type.
扁平线小尺寸封装，贴片类型
- Low radiation noise by magnetically shielded construction
闭合磁路封装，低辐射
- High current, Low resistance.
大电流，低电阻
- Operating temperature : -40°C~+150°C.
工作温度：-40°C~+150°C



Applications

- high efficiency DC/DC converters. 高效 DC/DC 转换器
- Single and polyphase buck converters. 单相、多相降压转换器
- Filter for audio applications. 音频滤波应用
- Optimized for high current boost applications. 大电流升压应用优化
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20°C	ΔT ≤ 40°C
EEA136-201	0.20 ± 20%	0.45(0.35)	20.0	45.0	65.0	18.1	27.5
EEA136-471	0.47 ± 20%	0.8(0.65)	19.7	42.0	50.0	17.9	26.8
EEA136-821	0.82 ± 20%	1.1(0.94)	15	25.2	35.0	17.0	25.0
EEA136-132	1.3 ± 20%	2.1(1.6)	10.9	17.7	25.0	14.8	21.6
EEA136-202	2.0 ± 20%	3.0(2.4)	8.2	15.1	22.0	13.3	19.2
EEA136-282	2.8 ± 20%	3.8(3.1)	7.5	12.2	17.5	10.7	15.3
EEA136-372	3.7 ± 20%	5.6(4.7)	6.8	11.4	16.0	10.0	13.7
EEA136-472	4.7 ± 20%	7.1(5.3)	5.8	10.1	15.0	8.2	11.0
EEA136-602	6.0 ± 20%	8.7(7.1)	5.6	9.2	14.0	8.0	10.6
EEA136-732	7.3 ± 20%	9.5(7.8)	4.8	8.3	12.0	8.3	11.2
EEA136-922	9.2 ± 20%	11.0(9.7)	4.7	8.1	10.5	8.0	10.4
EEA136-113	11.3 ± 20%	13.5(11.6)	3.7	6.2	9.5	7.2	10.0
EEA136-133	13.0 ± 20%	15.9(13.9)	3.6	6.0	9.0	6.5	8.8
EEA136-153	15.4 ± 20%	17.0(15.7)	3.1	5.2	8.0	6.2	8.4
EEA136-183	18.0 ± 20%	25.3(19.0)	3.0	5.0	7.5	5.0	6.4
EEA136-223	22.0 ± 20%	28.4(22.9)	2.8	4.7	6.5	4.0	5.4
EEA136-333	33.0 ± 20%	35.1(31.2)	2.2	3.6	5.5	3.9	5.2

Remark

- Inductance is measured with a LCR meter 4284A or equivalent.
Test frequency at 100kHz
- DC resistance is measured with 16502 Milliohm Meter , or equivalent.
Reference ambient temperature 25°C

备注

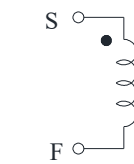
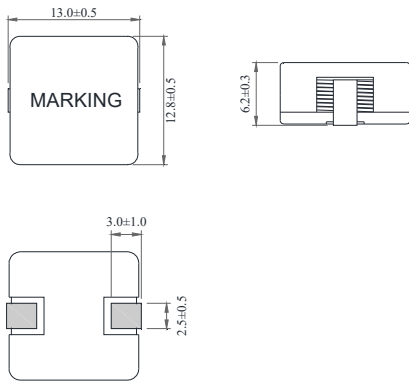
- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25°C

EEA136

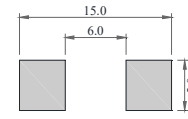
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大电流功率电感

Dimensions

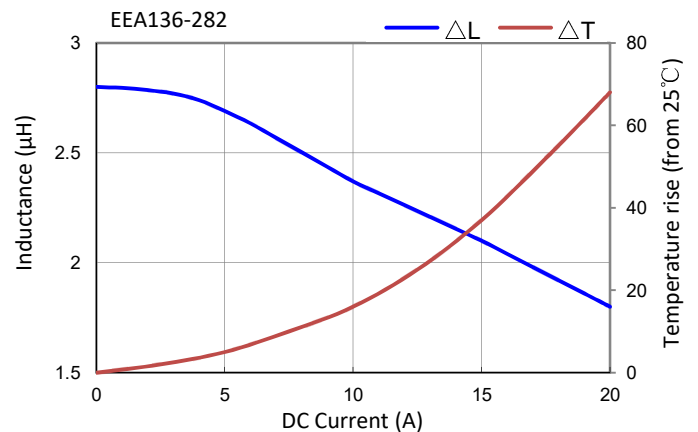
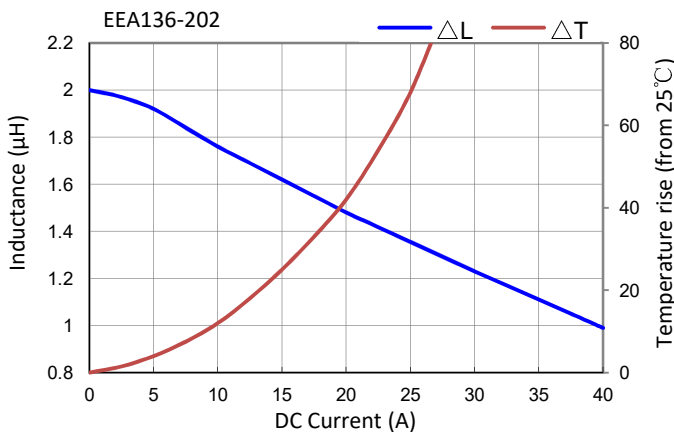
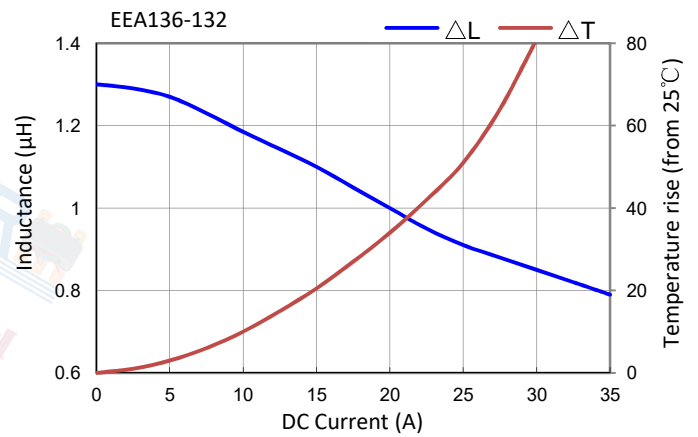
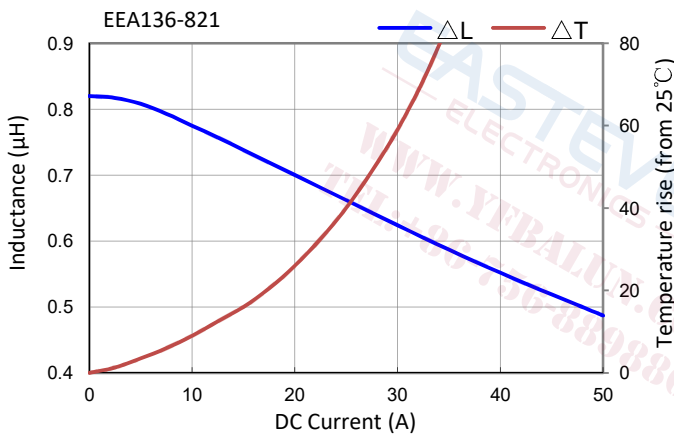
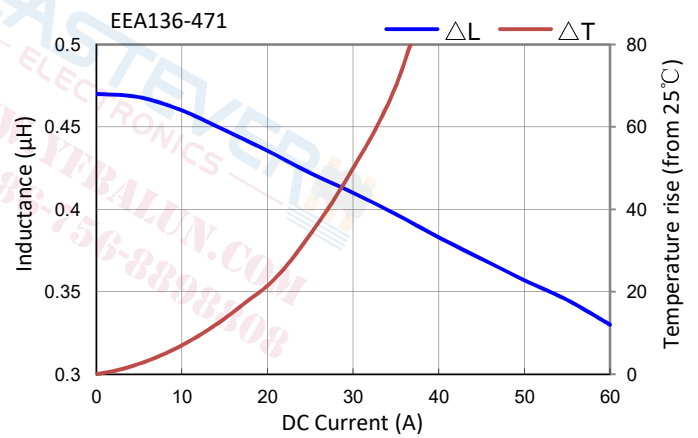
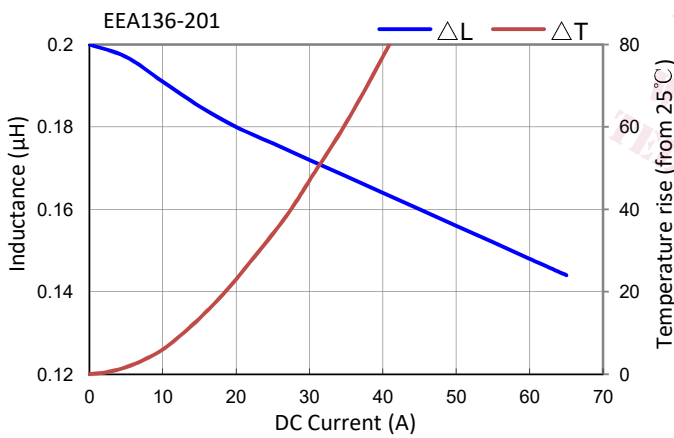


SCHEMATIC

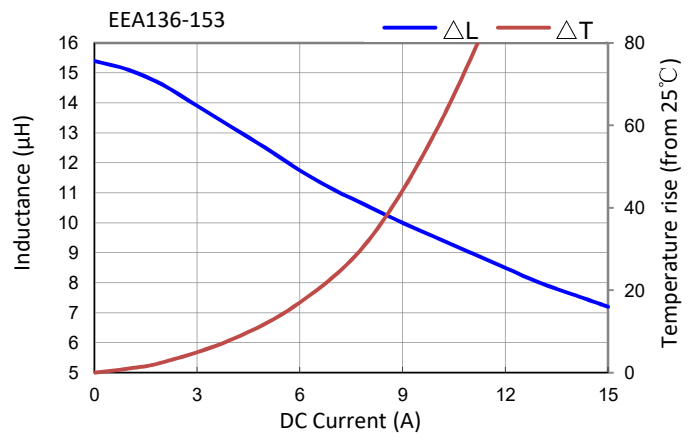
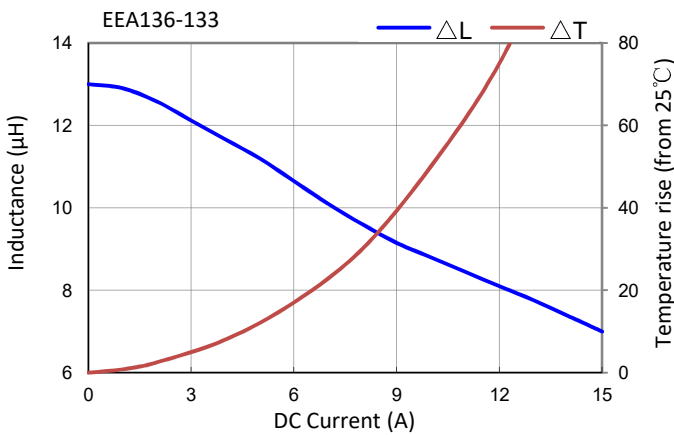
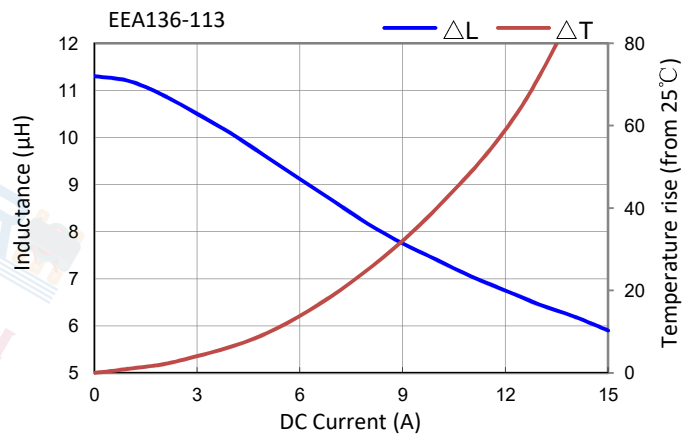
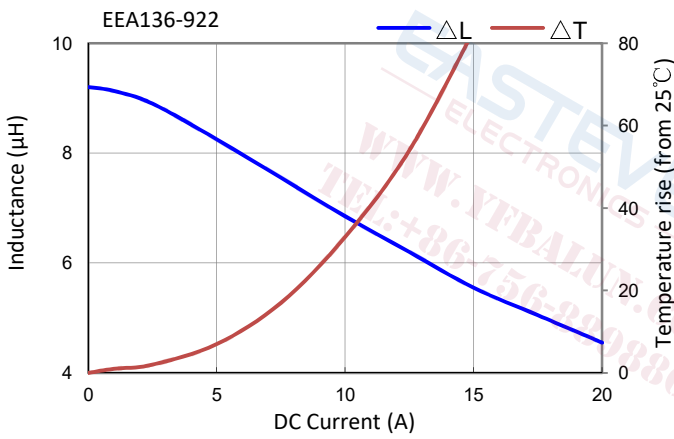
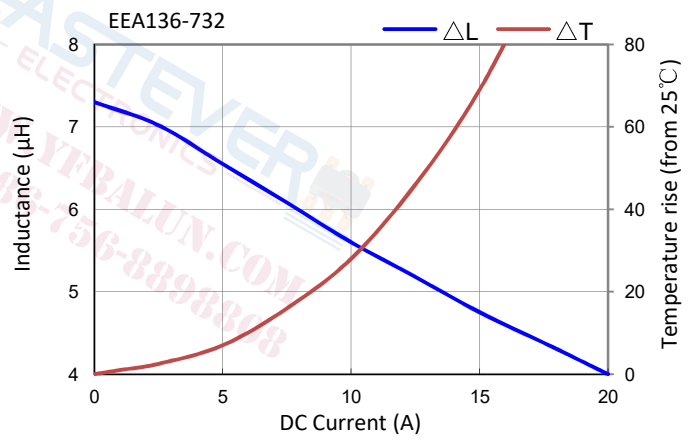
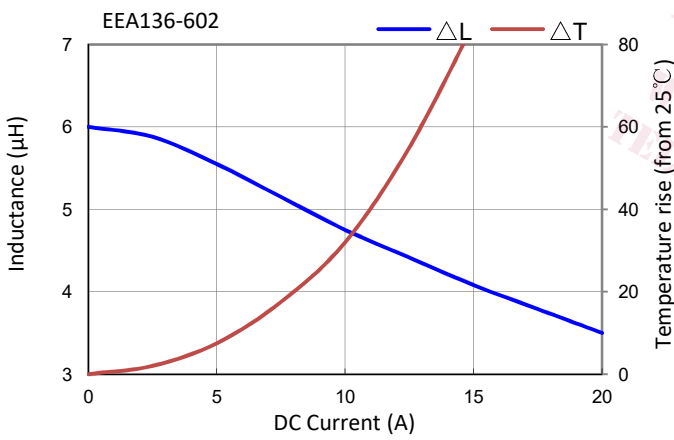
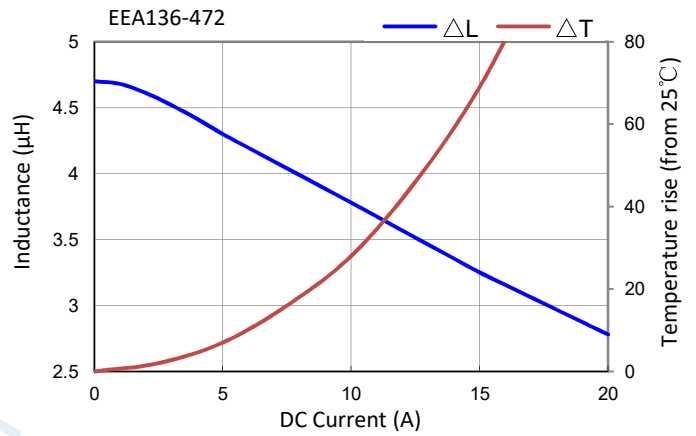
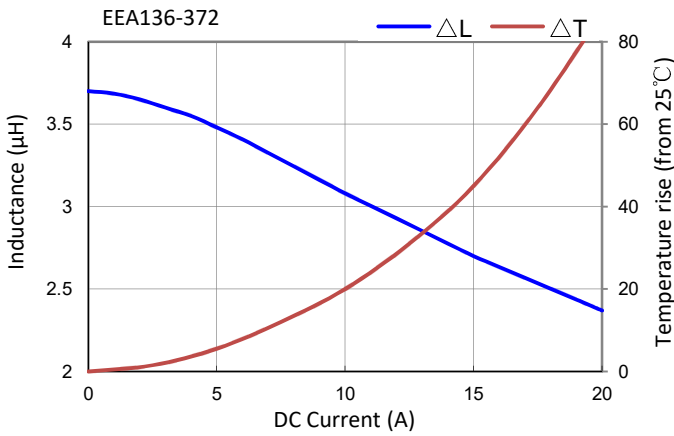


PCB LAYOUT

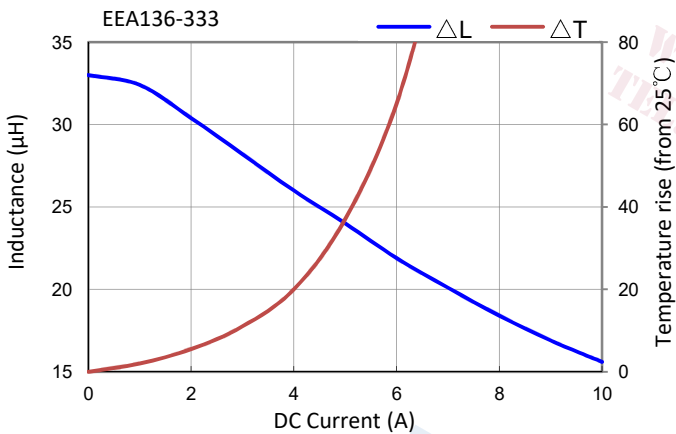
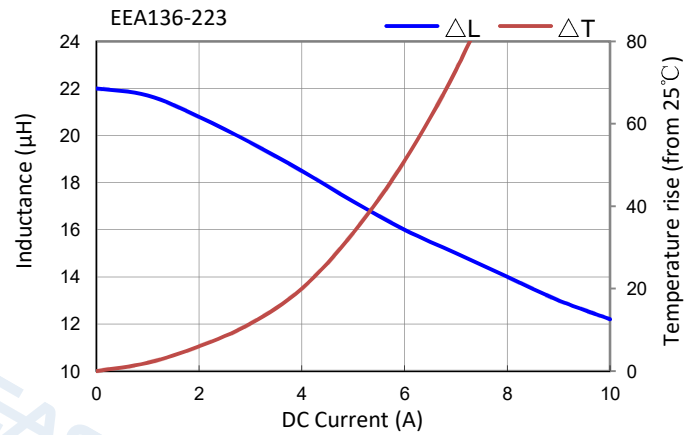
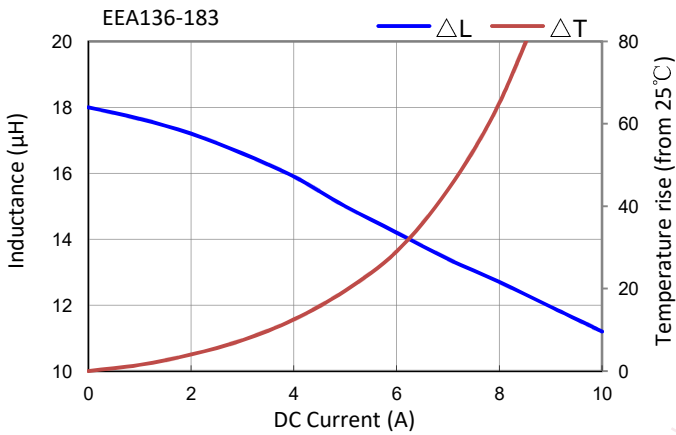
Electrical Characteristic Curve



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