

EEA189B

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
EEA189B-821	0.82 ± 20%	0.62(0.54)	36.1	58.3	65.0	27.0	36.8
EEA189B-132	1.3 ± 20%	1.08(0.9)	29.2	48.3	62.0	21.7	30.3
EEA189B-192	1.9 ± 20%	1.4(1.2)	22.1	36.2	52.0	21.0	29.1
EEA189B-262	2.6 ± 20%	1.8(1.5)	21.0	35.0	50.0	20.0	26.6
EEA189B-352	3.5 ± 20%	3.6(2.2)	15.3	27.0	37.0	14.7	20.1
EEA189B-452	4.5 ± 20%	3.9(2.5)	14.4	23.7	35.0	13.1	18.2
EEA189B-562	5.6 ± 20%	4.3(2.9)	14.1	23.2	33.0	12.6	17.5
EEA189B-682	6.8 ± 20%	4.7(4.0)	12.8	20.7	27.0	11.7	15.9
EEA189B-103	10.0 ± 20%	7.9(6.0)	9.3	15.4	21.5	10.8	13.9

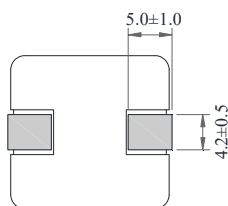
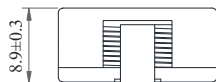
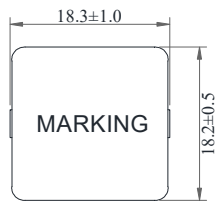
Remark

- 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

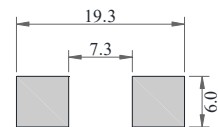
备注

- 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

Dimensions



SCHEMATIC



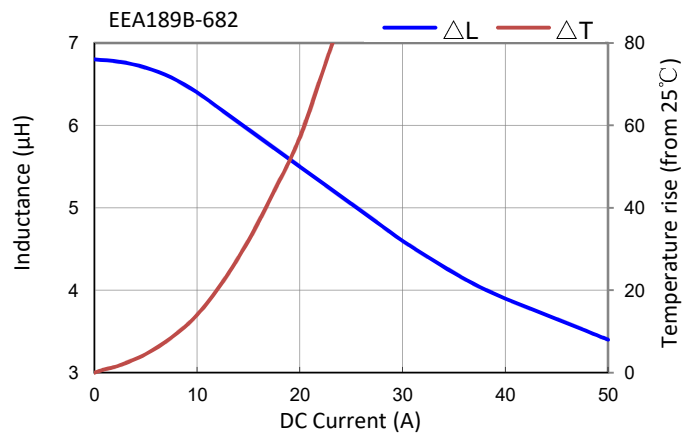
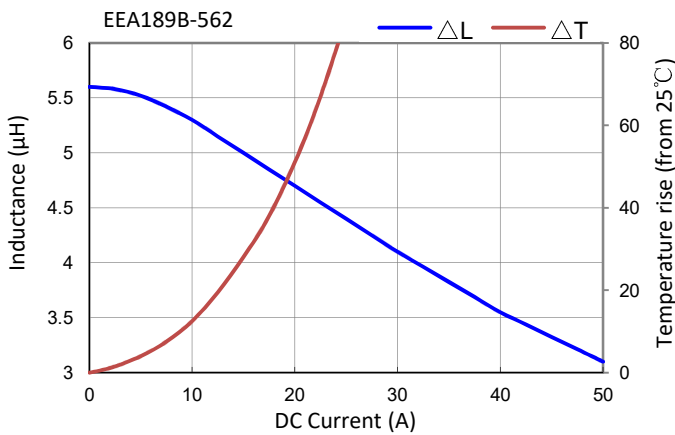
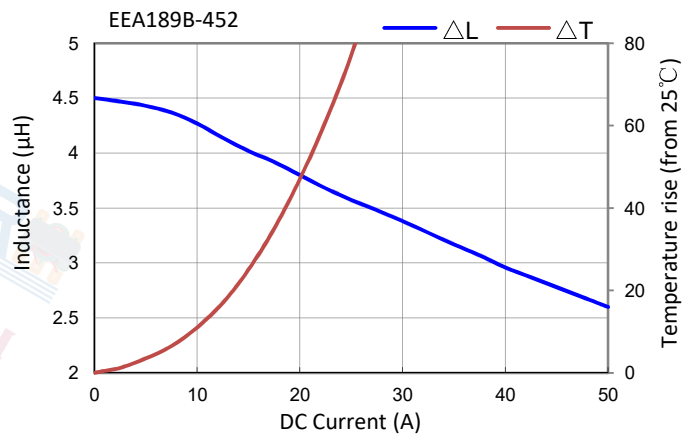
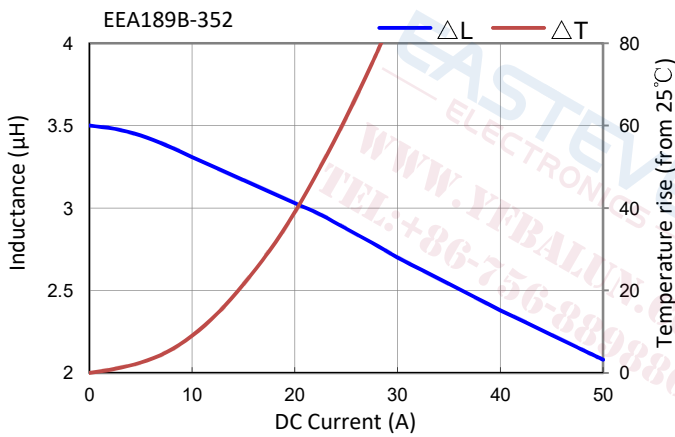
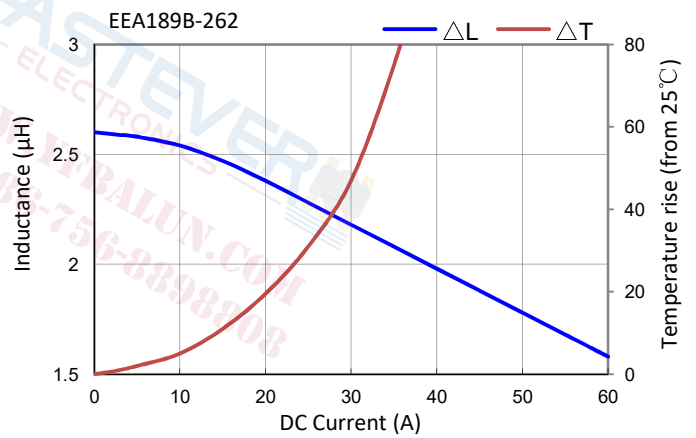
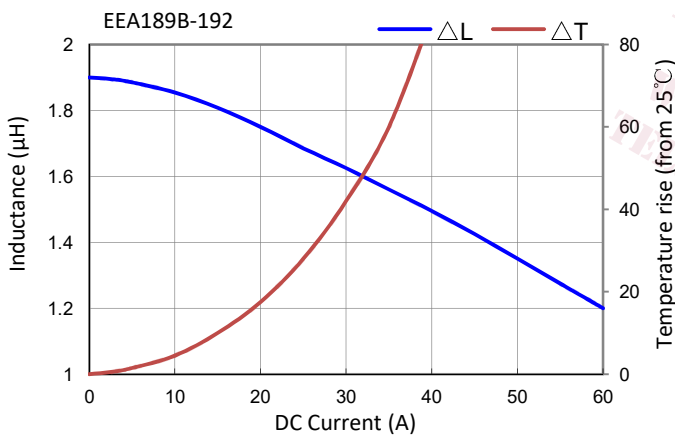
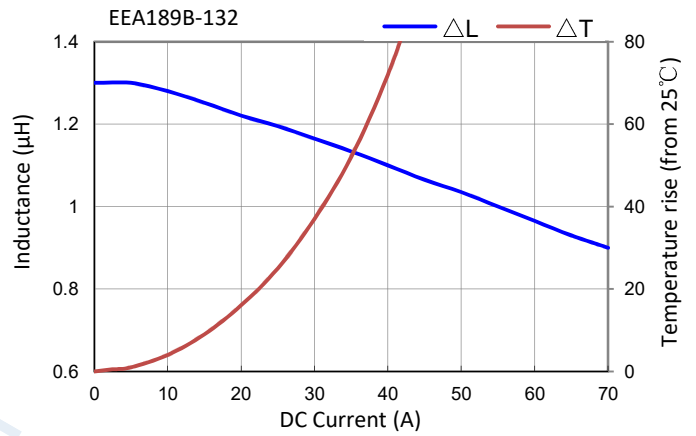
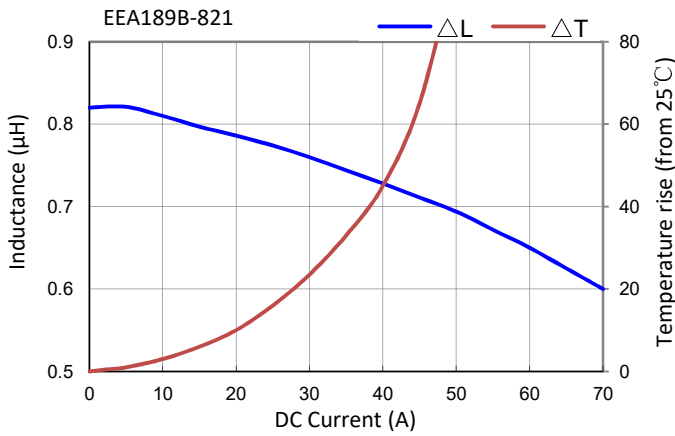
PCB LAYOUT

EEA189B

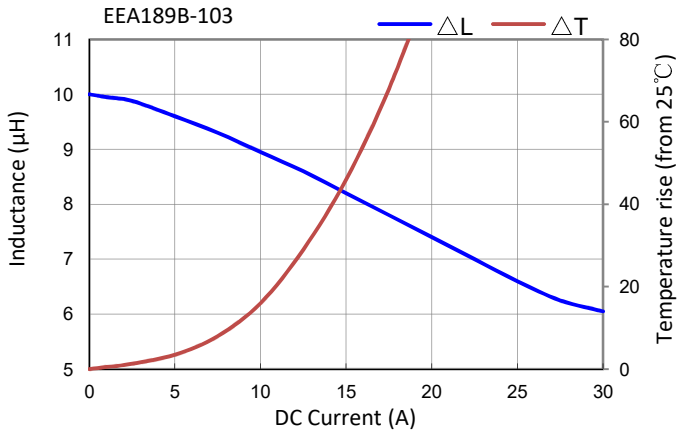
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大电流功率电感

Electrical Characteristic Curve



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