

# EEA2212

# 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. (typ.)			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20°C	ΔT ≤ 40°C
			EEA2212-332	3.3 ± 20%	2.0(1.8)	32.0(37.8)	38.0(42.0)
EEA2212-682	6.8 ± 20%	2.6(2.3)	210(27.5)	25.6(31.0)	31.0(33.5)	19.3	25.8
EEA2212-822	8.2 ± 20%	3.1(2.7)	19.7(25.3)	25.8(32.5)	30.0(33.6)	17.1	22.9
EEA2212-103	10.0 ± 10%	3.9(3.5)	15.4(20.5)	19.2(23.5)	26.0(27.1)	14.1	19.5
EEA2212-123	12.0 ± 10%	5.0(4.1)	13.8(19.0)	18.2(22.8)	25.0(26.5)	12.8	17.6
EEA2212-223	22.0 ± 10%	8.1(7.0)	13.0(17.0)	15.7(19.0)	18.0(19.8)	10.0	13.7
EEA2212-333	33.0 ± 10%	15.2(13.4)	11.3(15.8)	13.7(17.1)	15.0(17.8)	7.2	10.3
EEA2212-473	47.0 ± 10%	22.08(19.8)	10.4(13.3)	11.3(14.2)	12.0(14.9)	6.2	8.3
EEA2212-683	68.0 ± 10%	31.4(26.6)	8.5(11.5)	9.1(12.6)	9.5(13.2)	5.0	7.1
EEA2212-823	82.0 ± 10%	35.0(30.4)	7.3(9.2)	8.2(10.2)	8.5(10.7)	4.8	6.2

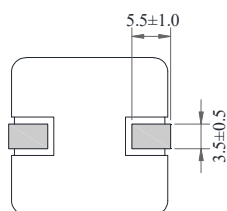
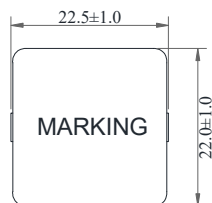
### Remark

- 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

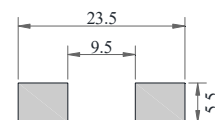
### 备注

- 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

### Dimensions



SCHMATIC



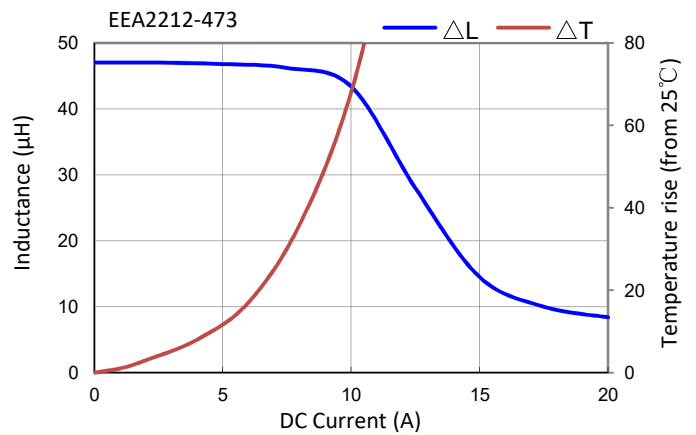
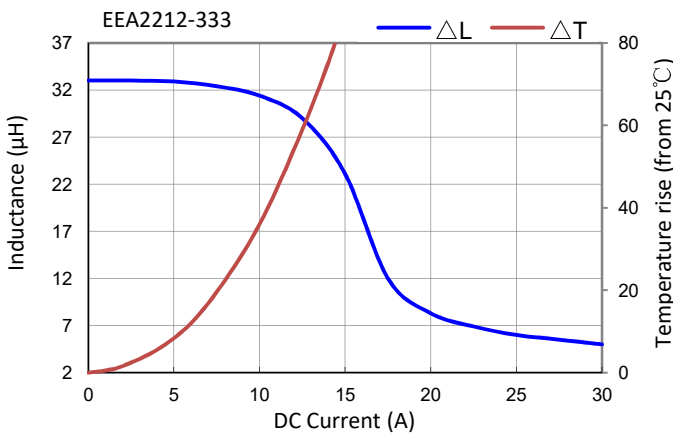
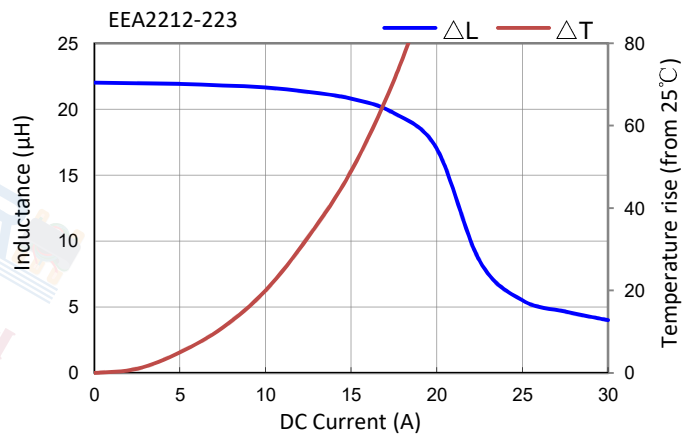
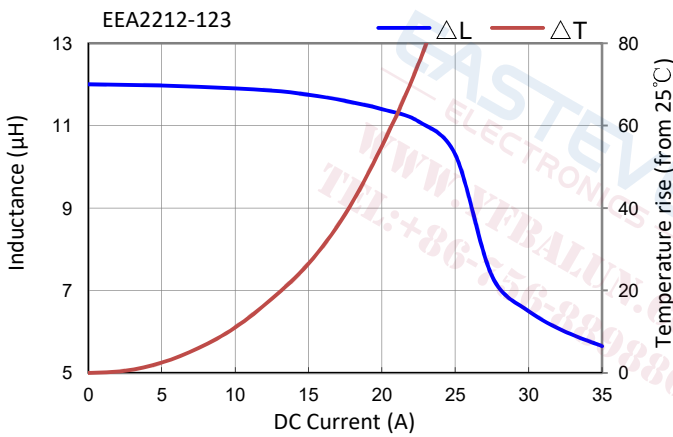
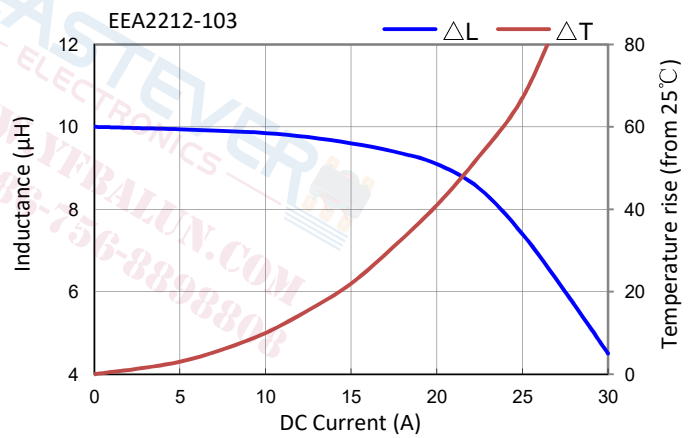
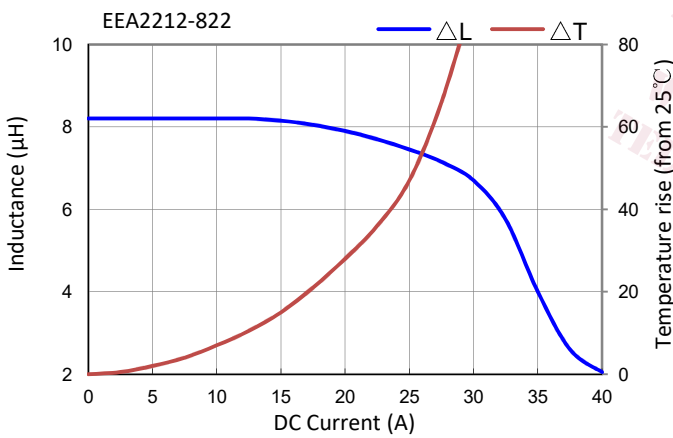
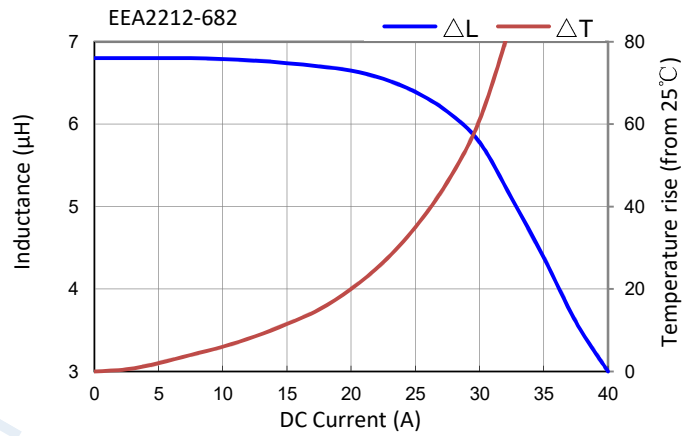
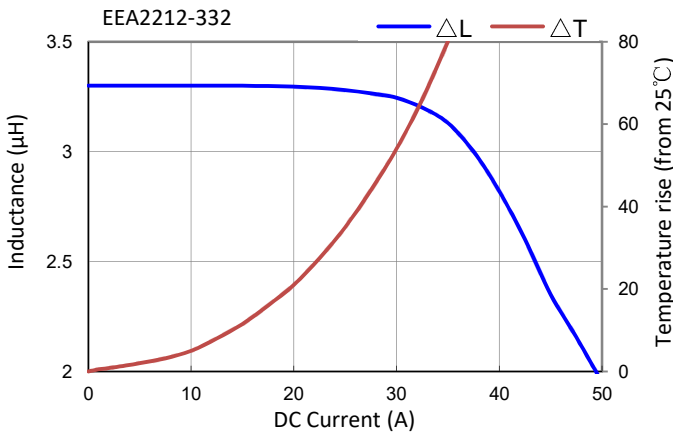
PCB LAYOUT

**EEA2212**

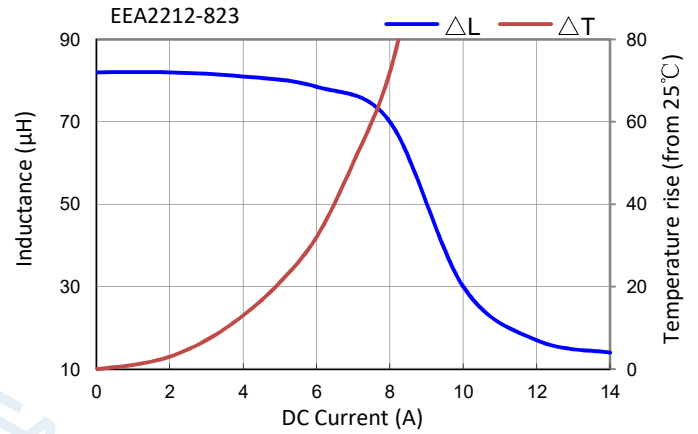
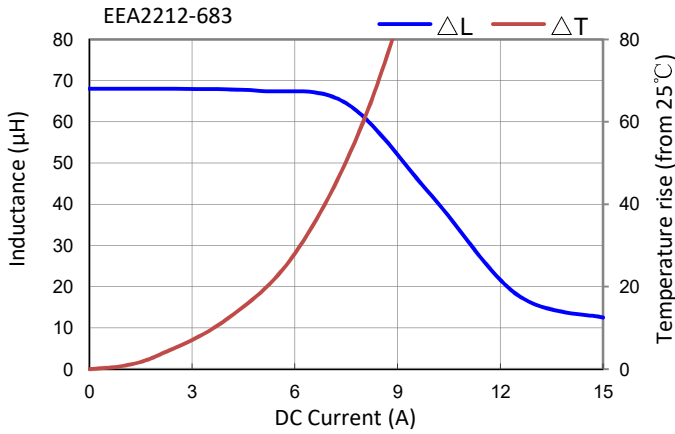
**HIGH CURRENT POWER INDUCTOR**

**大电流功率电感**

**Electrical Characteristic Curve**



**Electrical Characteristic Curve**



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