

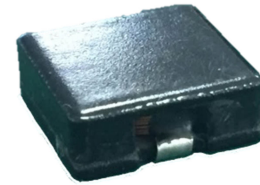
EEA133

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
EEA133-251	0.25 ± 20%	0.9(0.7)	20.3	40.0	60.0	16.0	22.1
EEA133-681	0.68 ± 20%	1.9(1.7)	13.0	27.2	40.0	15.0	20.3
EEA133-122	1.2 ± 20%	3.4(3.1)	10.2	19.6	28.0	11.8	15.7
EEA133-182	1.8 ± 20%	6.6(5.4)	7.6	13.3	22.0	8.8	12.4
EEA133-222	2.2 ± 20%	6.6(5.4)	7.2	13.0	18.0	8.8	12.4
EEA133-332	3.3 ± 20%	9.3(8.0)	5.3	9.1	14.0	8.0	10.9

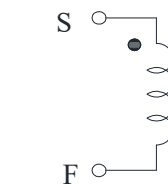
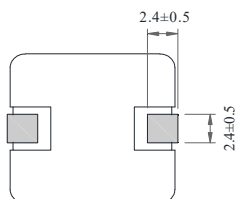
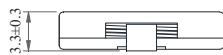
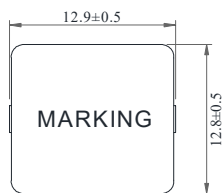
Remark

- 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

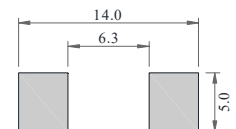
备注

- 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



SCHMATIC



PCB LAYOUT

Electrical Characteristic Curve

