

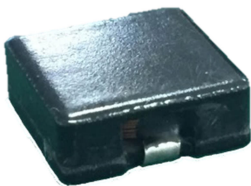
# HIGH CURRENT POWER INDUCTOR

## 大电流功率电感 EEA133



### 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℃~+150℃.  
工作温度：-40℃~+150℃



### 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<br>料号 | Inductance<br>电感量<br>μH | DC resistance<br>直流电阻<br>mΩ max(typ.) | DC saturation current<br>直流饱和电流<br>A max. |          |          | Temperature rise current<br>温升电流<br>A max. |          |
|-------------------|-------------------------|---------------------------------------|-------------------------------------------|----------|----------|--------------------------------------------|----------|
|                   |                         |                                       | ΔL ≤ 10%                                  | ΔL ≤ 20% | ΔL ≤ 30% | ΔT ≤ 20℃                                   | ΔT ≤ 40℃ |
| 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℃

### 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℃

### Dimensions

