

HIGH CURRENT POWER INDUCTOR

大电流功率电感 EEA104



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 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℃	ΔT ≤ 40℃
EEA104-301	0.3 ± 20%	1.3(1.1)	13.0	22.5	35.0	13.0	18.2
EEA104-561	0.56 ± 20%	2.2(1.9)	12.6	22.0	30.0	11.8	17.1
EEA104-102	1.0 ± 20%	3.8(3.2)	7.2	12.6	20.0	10.2	14.0
EEA104-152	1.5 ± 20%	6.1(4.6)	6.5	11.2	17.0	8.5	12.0
EEA104-202	2.0 ± 20%	8.4(6.2)	5.0	8.1	13.0	6.8	9.7
EEA104-282	2.8 ± 20%	12.2(10.7)	4.7	7.9	11.0	6.0	8.4
EEA104-432	4.3 ± 20%	16.2(14.8)	3.2	5.4	8.0	5.2	7.2
EEA104-562	5.6 ± 20%	23.7(21.4)	3.0	5.1	7.5	4.3	6.2

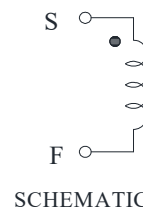
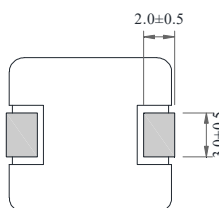
Remark

- 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℃

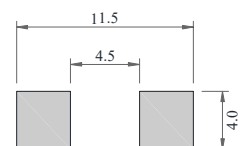
备注

- 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



SCHEMATIC



PCB LAYOUT

