

HIGH CURRENT POWER INDUCTOR

大电流功率电感 EEA74



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℃
EEA74-221	0.22 ± 20%	1.3(1.1)	15.0	24.3	32.0	14.5	19.0
EEA74-401	0.4 ± 20%	2.1(1.9)	10.8	18.8	25.0	13.1	17.5
EEA74-681	0.68 ± 20%	3.6(3.1)	9.7	15.1	20.0	11.5	16.2
EEA74-102	1.0 ± 20%	5.3(4.6)	8.0	13.2	19.0	11.0	14.8
EEA74-152	1.5 ± 20%	7.6(6.7)	4.7	9.0	14.0	7.5	10.3
EEA74-222	2.2 ± 20%	13.1(11.2)	5.7	9.0	13.0	6.0	8.2
EEA74-332	3.3 ± 20%	19.8(18.2)	4.5	7.7	11.0	4.5	6.0
EEA74-472	4.7 ± 20%	22.4(19.8)	2.4	4.7	7.0	4.2	5.7

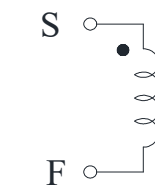
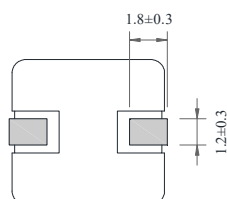
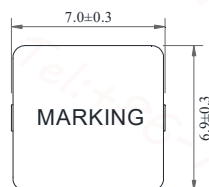
Remark

- 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℃

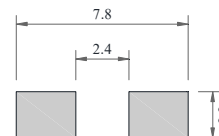
备注

- 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

