

HIGH CURRENT POWER INDUCTOR

大电流功率电感

EEA73



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℃
EEA73-131	0.13 ± 20%	1.1(0.9)	16.0	32.0	48.0	15.5	21.0
EEA73-241	0.24 ± 20%	2.1(1.9)	16.3	28.0	40.0	11.0	16.0
EEA73-521	0.52 ± 20%	4.3(3.7)	8.5	15.2	20.0	9.0	13.0
EEA73-951	0.95 ± 20%	7.1(6.3)	5.2	9.5	13.0	8.5	11.5
EEA73-122	1.2 ± 20%	9.9(8.6)	6.8	11.2	13.0	5.9	8.5
EEA73-152	1.5 ± 20%	14.6(12.7)	4.8	8.5	12.0	5.0	6.8
EEA73-202	2.0 ± 20%	16.3(14.5)	2.5	5.3	9.0	4.5	6.2

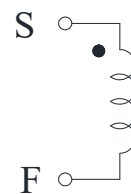
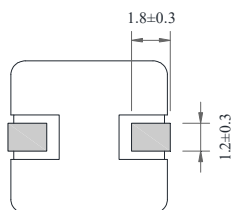
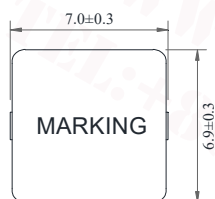
Remark

- 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℃

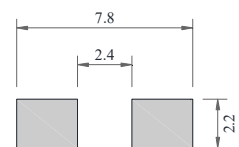
备注

- 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

