

HIGH CURRENT POWER INDUCTOR

大电流功率电感

EEA75



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℃
EEA75-241	0.24 ± 20%	1.2(1.0)	11.7	22.1	28.0	12.5	17.6
EEA75-471	0.47 ± 20%	1.6(1.4)	9.6	18.4	20.0	10.3	16.0
EEA75-761	0.76 ± 20%	2.6(2.2)	6.5	12.0	15.0	9.2	14.0
EEA75-112	1.1 ± 20%	3.6(3.2)	5.8	10.0	13.0	9.1	13.2
EEA75-152	1.5 ± 20%	5.0(4.4)	4.8	8.0	11.0	8.0	11.1
EEA75-202	2.0 ± 20%	6.7(5.9)	4.5	7.2	9.0	7.8	10.7
EEA75-332	3.3 ± 20%	10.4(9.0)	3.4	5.4	8.0	6.1	8.3
EEA75-492	4.9 ± 20%	16.7(14.0)	2.3	4.1	6.5	5.2	6.9
EEA75-652	6.5 ± 20%	24.7(22.8)	1.9	3.9	6.0	4.2	5.9
EEA75-762	7.6 ± 20%	32.8(26.4)	2.1	4.0	4.8	2.7	3.8
EEA75-852	8.5 ± 20%	35.0(30.6)	1.9	3.5	4.5	2.5	3.6
EEA75-103	10.0 ± 20%	38.0(35.6)	1.8	3.0	4.0	2.2	3.3

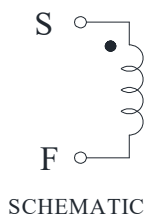
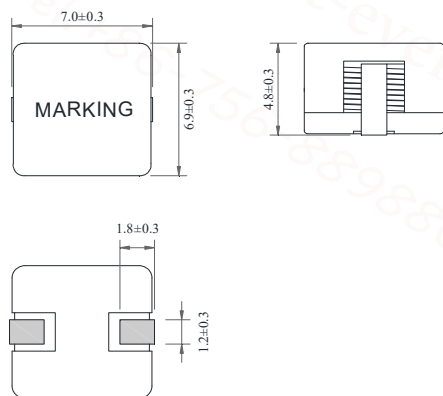
Remark

- 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℃

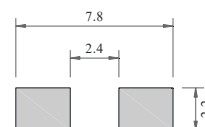
备注

- 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

