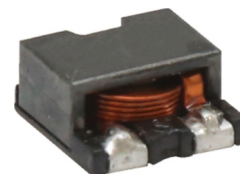


Features

- Compact size using flat wire, and SMD type.
- Low radiation noise by magnetically shielded construction



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. 频滤波 用
- Optimized for high current boost applications. 大电流升压应用优化

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 $\text{m}\Omega$ max(typ.)	DC saturation current 直流饱和电流 $\text{A max}(\text{typ.})$			Temperature rise current 温升电流 A max.	
			$\Delta L \leq 10\%$	$\Delta L \leq 20\%$	$\Delta L \leq 30\%$	$\Delta T \leq 20^\circ\text{C}$	$\Delta T \leq 40^\circ\text{C}$
EEC105-801	$0.8 \pm 20\%$	4.0(3.2)	24.9(26.3)	25.2(27.6)	25.6(28.5)	12.5	16.3
EEC105-102	$1.0 \pm 20\%$	4.0(3.2)	16.5(17.8)	17.0(18.6)	17.5(19.4)	12.5	16.3
EEC105-122	$1.2 \pm 20\%$	6.0(5.2)	20.5(21.7)	21(22.4)	21.3(23.1)	11.0	15.0
EEC105-132	$1.3 \pm 20\%$	4.0(3.2)	12.9(14.1)	16.8(18.2)	17.2(19.7)	12.5	16.3
EEC105-152	$1.5 \pm 20\%$	4.0(3.2)	13.5(14.7)	14.0(15.3)	14.5(16.2)	12.5	16.3
EEC105-182	$1.8 \pm 20\%$	6.0(5.2)	13.3(14.6)	13.8(15.1)	14.3(16.0)	11.0	15.0
EEC105-202	$2.0 \pm 20\%$	9.0(8.1)	15.3(16.8)	15.8(17.9)	16.2(18.4)	8.5	11.5
EEC105-222	$2.2 \pm 20\%$	4.0(3.2)	8.9(10.0)	9.6(11.3)	10.0(12.1)	12.5	16.3
EEC105-252	$2.5 \pm 20\%$	7.5(6.6)	11.4(12.5)	11.8(13.6)	12.1(14.2)	9.0	12.0
EEC105-322	$3.2 \pm 20\%$	6.0(5.2)	7.3(8.6)	8.0(9.2)	8.5(9.8)	11.0	15.0
EEC105-402	$4.0 \pm 20\%$	9.0(8.1)	8.3(9.5)	8.5(10.3)	8.8(11.0)	8.5	11.5
EEC105-432	$4.3 \pm 20\%$	7.5(6.6)	6.4(7.3)	6.8(8.1)	7.0(8.6)	9.0	12.0
EEC105-572	$5.7 \pm 20\%$	9.0(8.1)	5.4(6.2)	5.8(6.8)	6.0(7.2)	8.5	11.5

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°C

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°C

Dimensions

