

HIGH CURRENT POWER INDUCTOR 大电流功率电感 EEC20



Features

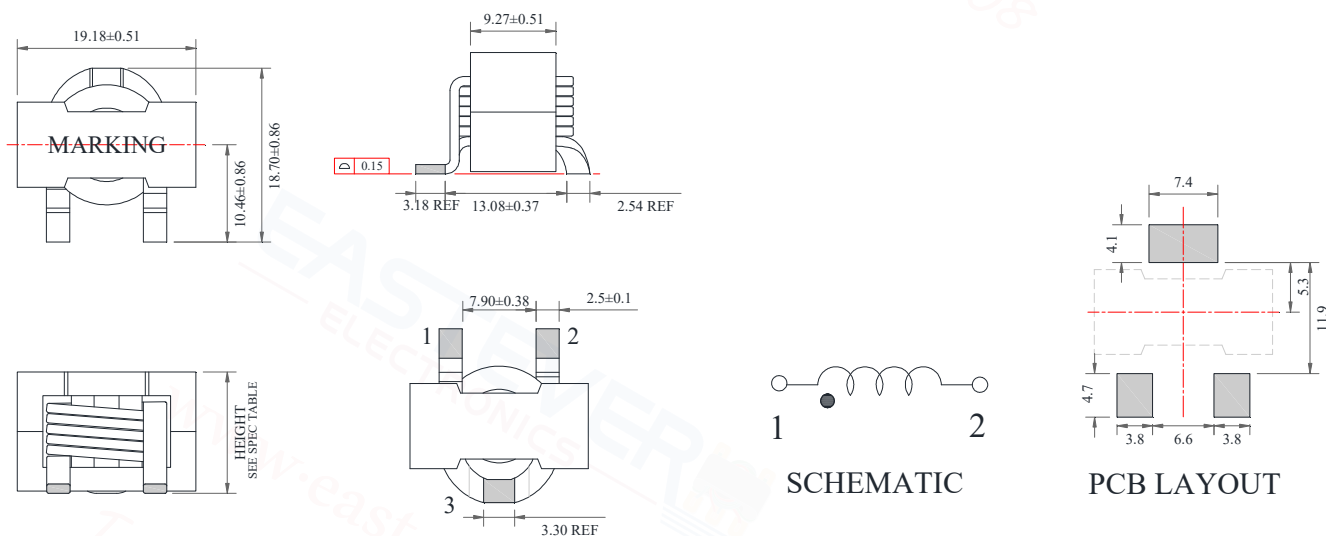
- Susing flat wire, and SMD type.
采用扁平线，贴片类型
- Low radiation noise by magnetically shielded construction
闭合磁路封装，低辐射
- High current, Low resistance.
大电流，低电阻
- Operating temperature : -40℃~+125℃.
工作温度：-40℃~+125℃



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

Dimensions



Type	Height (mm) Max.	Weight (g)
EEC2009	8.64	6.65~6.89
EEC2010	9.40	7.46~7.90
EEC2011	10.67	8.63~9.08
EEC2012	11.94	9.92~10.30
EEC2013	12.95	10.80~11.40
EEC2014	13.97	11.70~12.40

CAUTION:

Terminal 3 is provided for mounting stability only. This terminal is connected to the winding of the inductor and must not be connected to ground or any circuitry. 端子3仅用于提供安装稳定性，并且这个端子连接到电感器绕组，其不能用于接地或连接其他电路



EEC20

HIGH CURRENT POWER INDUCTOR

大电流功率电感

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.(typ.)			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
EEC2009-301	0.3±20%	0.74(0.63)	100	>100	>100	41	54
EEC2010-301	0.3±20%	1.00(0.9)	>100	>100	>100	36	45
EEC2009-501	0.5±20%	0.74(0.63)	60(66)	72(77)	78(83)	41	54
EEC2010-501	0.5±20%	1.00(0.9)	81(88)	87(94)	92(97)	36	45
EEC2011-501	0.5±20%	1.34(1.2)	100	>100	>100	30	40
EEC2009-601	0.6±20%	0.74(0.63)	49(55)	60(67)	63(70)	41	54
EEC2010-601	0.6±20%	1.00(0.9)	70(76)	75(82)	78(86)	36	45
EEC2011-601	0.6±20%	1.34(1.2)	90(97)	100	>100	30	40
EEC2012-601	0.6±20%	1.60(1.4)	97(>100)	>100	>100	25	35
EEC2009-681	0.68±20%	0.74(0.63)	45(50)	53(57)	55(62)	41	54
EEC2010-681	0.68±20%	1.00(0.9)	62(67)	68(74)	72(76)	36	45
EEC2011-681	0.68±20%	1.34(1.2)	78(85)	86(93)	90(97)	30	40
EEC2012-681	0.68±20%	1.60(1.4)	85(94)	95(100)	98(>100)	25	35
EEC2013-681	0.68±20%	1.82(1.7)	98(>100)	>100	>100	23	30
EEC2009-801	0.8±20%	0.74(0.63)	38(42)	43(47)	45(49)	41	54
EEC2010-801	0.8±20%	1.00(0.9)	53(58)	59(64)	64(68)	36	45
EEC2011-801	0.8±20%	1.34(1.2)	70(77)	78(85)	85(91)	30	40
EEC2012-801	0.8±20%	1.60(1.4)	75(82)	83(89)	88(94)	25	35
EEC2013-801	0.8±20%	1.82(1.7)	85(93)	94(100)	98(>100)	23	30
EEC2014-801	0.8±20%	2.15(1.9)	98(>100)	>100	>100	21	27
EEC2009-901	0.9±20%	0.74(0.63)	33(37)	40(46)	43(49)	41	54
EEC2010-901	0.9±20%	1.00(0.9)	48(54)	55(61)	60(65)	36	45
EEC2011-901	0.9±20%	1.34(1.2)	62(68)	68(73)	72(77)	30	40
EEC2012-901	0.9±20%	1.60(1.4)	69(76)	75(81)	80(86)	25	35
EEC2013-901	0.9±20%	1.82(1.7)	73(80)	80(86)	85(91)	23	30
EEC2014-901	0.9±20%	2.15(1.9)	87(96)	95(>100)	>100	21	27
EEC2009-102	1.0±20%	0.74(0.63)	29(34)	37(41)	40(44)	41	54
EEC2010-102	1.0±20%	1.00(0.9)	42(47)	48(53)	52(57)	36	45
EEC2011-102	1.0±20%	1.34(1.2)	56(62)	62(69)	66(73)	30	40
EEC2012-102	1.0±20%	1.60(1.4)	64(70)	70(75)	75(79)	25	35
EEC2013-102	1.0±20%	1.82(1.7)	68(75)	75(81)	80(86)	23	30
EEC2014-102	1.0±20%	2.15(1.9)	70(76)	77(84)	82(88)	21	27
EEC2009-122	1.2±20%	0.74(0.63)	28(33)	36(40)	38(43)	41	54
EEC2010-122	1.2±20%	1.00(0.9)	37(41)	40(45)	43(48)	36	45
EEC2011-122	1.2±20%	1.34(1.2)	49(55)	54(59)	57(62)	30	40
EEC2012-122	1.2±20%	1.60(1.4)	54(59)	60(66)	65(71)	25	35
EEC2013-122	1.2±20%	1.82(1.7)	58(65)	63(70)	68(74)	23	30
EEC2014-122	1.2±20%	2.15(1.9)	63(71)	72(77)	76(83)	21	27
EEC2009-202	2.0±10%	0.74(0.63)	16(19)	23(27)	26(31)	41	54
EEC2010-202	2.0±10%	1.00(0.9)	27(32)	32(37)	35(42)	36	45
EEC2011-202	2.0±10%	1.34(1.2)	37(42)	43(48)	47(53)	30	40
EEC2012-202	2.0±10%	1.60(1.4)	38(43)	41(49)	45(54)	25	35
EEC2013-202	2.0±10%	1.82(1.7)	40(47)	48(54)	53(59)	23	30
EEC2014-202	2.0±10%	2.15(1.9)	45(54)	52(59)	57(63)	21	27
EEC2013-362	3.6±10%	1.82(1.7)	25(29)	30(34)	33(37)	23	30
EEC2013-402	4.0±10%	1.82(1.7)	20(24)	25(30)	27(33)	23	30
EEC2014-402	4.0±10%	2.15(1.9)	25(30)	30(36)	34(39)	21	27
EEC2013-472	4.7±10%	1.82(1.7)	18(22)	24(28)	28(34)	23	30

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℃

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HIGH CURRENT POWER INDUCTOR

大电流功率电感

Electrical Characteristic Curve

