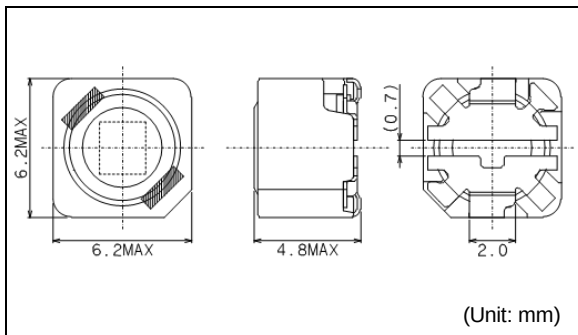
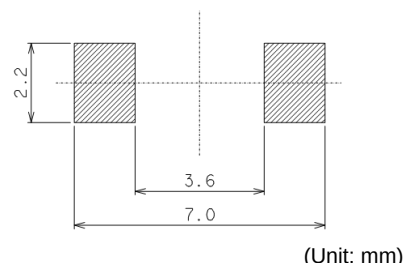


MBH6045C

Inductance Range: 1.0~470μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- AEC-Q200 Compliant.
- 6.2× 6.2mm Max. square, 4.8mm Max. height.
- Magnetically shielded.
- 符合AEC-Q200
- 最大6.2×6.2毫米的平面，最大高度4.8毫米
- 磁性屏蔽结构

STANDARD PART NUMBERS 标准零件号码

TYPE MBH6045C High current type (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ)Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.) ΔL/L=10%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
MBH6045C-1R5NA=P3	1.5	±30	22.1 (17)	6.3 (8.4)	4.3 (5.4)
MBH6045C-3R3NA=P3	3.3	±30	31.2 (24)	4.1 (5.4)	3.4 (4.3)
MBH6045C-4R7NA=P3	4.7	±30	37.7 (29)	3.3 (4.4)	2.8 (3.6)
* MBH6045C-6R8NA=P3	6.8	±30	66.3 (51)	2.7 (3.6)	2.1 (2.7)
MBH6045C-100MA=P3	10	±20	75.6 (63)	2.3 (3.0)	2.0 (2.4)
* MBH6045C-150MA=P3	15	±20	118.8 (99)	1.8 (2.4)	1.5 (1.8)
MBH6045C-220MA=P3	22	±20	166.8 (139)	1.5 (2.0)	1.2 (1.5)
* MBH6045C-330MA=P3	33	±20	213.6 (178)	1.2 (1.6)	1.1 (1.4)
* MBH6045C-470MA=P3	47	±20	307.2 (256)	1.1 (1.4)	1.0 (1.2)
* MBH6045C-680MA=P3	68	±20	416.4 (347)	0.90 (1.2)	0.84 (0.99)
* MBH6045C-101MA=P3	100	±20	584.4 (487)	0.71 (0.95)	0.70 (0.82)
* MBH6045C-151MA=P3	150	±20	926.4 (772)	0.58 (0.77)	0.51 (0.60)
* MBH6045C-221MA=P3	220	±20	1296 (1080)	0.47 (0.63)	0.48 (0.56)

* Under development

- 1) Inductance is measured with a LCR meter 4284A(Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 25°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个: 引起电感值从最初值降低10%, 或者线圈温度升高40°C。(参考周围环境温度25°C)。

Continued on next page 接下页

STANDARD PART NUMBERS 标准零件号码

TYPE MBH6045C Low DC resistance type (Quantity/reel; 1000 PCS)					
零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ)Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.) Δ L/L=10%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
MBH6045C-1R0ND=P3	1.0	±30	18.2 (14)	4.4 (5.8)	4.4 (5.5)
MBH6045C-1R5NB=P3	1.5	±30	19.5 (15)	3.5 (4.7)	4.4 (5.5)
MBH6045C-3R3NB=P3	3.3	±30	24.7 (19)	2.3 (3.1)	3.5 (4.4)
MBH6045C-4R7NB=P3	4.7	±30	29.9 (23)	2.0 (2.6)	3.2 (4.1)
MBH6045C-6R8NB=P3	6.8	±30	35.1 (27)	1.6 (2.1)	2.6 (3.3)
MBH6045C-100MB=P3	10	±20	45.6 (38)	1.2 (1.7)	2.5 (3.0)
* MBH6045C-150MB=P3	15	±20	66 (55)	0.90 (1.2)	2.1 (2.5)
MBH6045C-220MB=P3	22	±20	93.6 (78)	0.90 (1.2)	1.7 (2.0)
MBH6045C-330MB=P3	33	±20	123.5 (103)	0.70 (0.93)	1.5 (1.7)
MBH6045C-470MB=P3	47	±20	156 (130)	0.56 (0.74)	1.1 (1.4)
MBH6045C-680MB=P3	68	±20	258 (215)	0.48 (0.64)	0.94 (1.1)
MBH6045C-101MB=P3	100	±20	408 (340)	0.40 (0.53)	0.83 (0.98)
* MBH6045C-151MB=P3	150	±20	576 (480)	0.32 (0.43)	0.71 (0.83)
* MBH6045C-221MB=P3	220	±20	936 (780)	0.26 (0.35)	0.56 (0.66)
* MBH6045C-331MB=P3	330	±20	1164 (970)	0.23 (0.30)	0.48 (0.56)
MBH6045C-471MB=P3	470	±20	1704 (1420)	0.18 (0.24)	0.41 (0.48)

* Under development

- 1) Inductance is measured with a LCR meter 4284A(Agilent Technologies) or equivalent. Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 25°C)
- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个: 引起电感值从最初值降低10%, 或者线圈温度升高40°C。(参考周围环境温度25°C)。