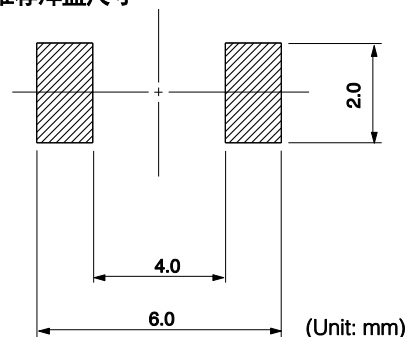
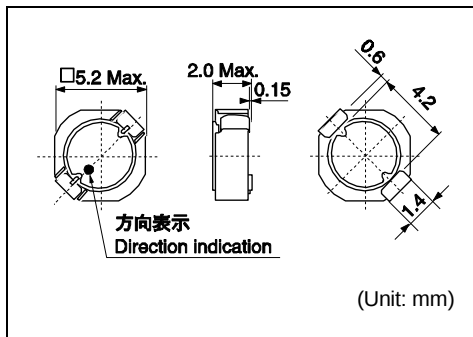


D52LC

Inductance Range: 1.2~100μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (5.2mm Max. square, 2.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications.
- 薄型构造（最大5.2毫米的平面，最大高度2.0毫米）
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 是适用于多种DC-DC转换器电感器的理想选择

STANDARD PART NUMBERS 标准零件号码

TYPE D52LC (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽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.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
#A914BYW-1R2M=P3	1.2	± 20	44 (37)	1.94 (2.59)	2.15 (2.88)	2.44 (2.87)
#A914BYW-2R2M=P3	2.2	± 20	59 (49)	1.44 (1.93)	1.63 (2.18)	1.74 (2.06)
#A914BYW-3R5M=P3	3.5	± 20	73 (61)	1.19 (1.59)	1.34 (1.80)	1.54 (1.82)
#A914BYW-4R7M=P3	4.7	± 20	87 (72)	1.01 (1.35)	1.14 (1.52)	1.30 (1.54)
#A914BYW-6R8M=P3	6.8	± 20	105 (84)	0.83 (1.11)	0.95 (1.27)	1.17 (1.38)
#A914BYW-100M=P3	10	± 20	150 (125)	0.67 (0.90)	0.76 (1.03)	0.93 (1.10)
#A914BYW-150M=P3	15	± 20	210 (175)	0.56 (0.76)	0.63 (0.85)	0.77 (0.91)
#A914BYW-220M=P3	22	± 20	275 (230)	0.49 (0.66)	0.56 (0.75)	0.70 (0.83)
#A914BYW-330M=P3	33	± 20	455 (375)	0.39 (0.53)	0.44 (0.59)	0.51 (0.61)
#A914BYW-470M=P3	47	± 20	730 (605)	0.32 (0.43)	0.36 (0.49)	0.38 (0.45)
#A914BYW-680M=P3	68	± 20	935 (780)	0.26 (0.35)	0.30 (0.41)	0.35 (0.42)
#A914BY-101M=P3	100	± 20	1500 (1250)	0.20 (0.28)	0.23 (0.32)	0.26 (0.31)

(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 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°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30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。