



THE DATASHEET OF
#B966AS-1R8N=P3

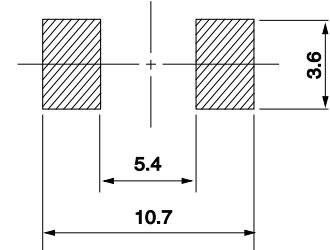
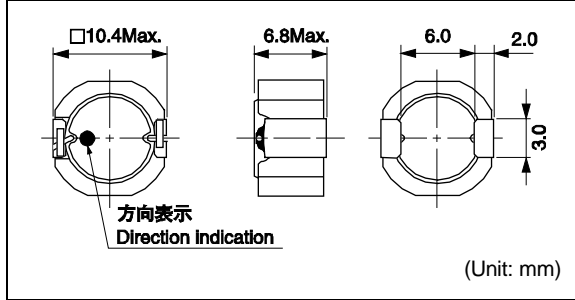


DS106C2



Inductance Range: 1.2~330μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 10.4mm Max. square and 6.8mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- Operating temperature : -40~+85°C
- 最大10.4毫米的平面，最大高度6.8毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS106C2 (Quantity/reel; 500 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⁾ L (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.)
				ΔL/L=10%	ΔL/L=30%	
#B966AS-1R2N=P3	1.2	± 30	11 (9)	12.0 (16.5)	16.8 (22.4)	7.2 (8.5)
#B966AS-1R8N=P3	1.8	± 30	14 (11)	9.8 (13.0)	13.1 (17.4)	6.7 (8.0)
#B966AS-2R7N=P3	2.7	± 30	15 (12)	8.1 (10.5)	10.8 (14.4)	6.1 (7.3)
#B966AS-3R9N=P3	3.9	± 30	17 (14)	7.1 (9.4)	9.4 (12.5)	5.6 (6.7)
#B966AS-4R7N=P3	4.7	± 30	18 (15)	6.1 (8.1)	8.1 (10.8)	5.4 (6.4)
#B966AS-6R8N=P3	6.8	± 30	21 (17)	5.2 (7.0)	7.0 (9.3)	5.0 (6.0)
#B966AS-8R2N=P3	8.2	± 30	24 (20)	4.8 (6.5)	6.5 (8.6)	4.6 (5.5)
#B966AS-100M=P3	10	± 20	28 (23)	4.4 (5.9)	5.8 (7.8)	4.3 (5.1)
#B966AS-120M=P3	12	± 20	35 (29)	3.9 (5.2)	5.3 (7.0)	3.7 (4.4)
#B966AS-160M=P3	16	± 20	60 (50)	3.3 (4.4)	4.4 (5.9)	2.7 (3.2)
#B966BS-180M=P3	18	± 20	60 (50)	2.8 (3.8)	3.7 (4.9)	2.6 (3.1)
#B966BS-220M=P3	22	± 20	65 (54)	2.7 (3.6)	3.5 (4.6)	2.5 (3.0)
#B966BS-270M=P3	27	± 20	74 (61)	2.4 (3.2)	3.1 (4.1)	2.3 (2.8)
#B966BS-330M=P3	33	± 20	83 (69)	2.1 (2.8)	2.8 (3.7)	2.2 (2.6)
#B966BS-390M=P3	39	± 20	93 (77)	1.9 (2.6)	2.5 (3.4)	2.0 (2.5)
#B966BS-470M=P3	47	± 20	120 (97)	1.8 (2.4)	2.3 (3.1)	1.8 (2.2)
#B966BS-560M=P3	56	± 20	145 (120)	1.6 (2.2)	2.1 (2.9)	1.6 (2.0)
#B966BS-680M=P3	68	± 20	190 (155)	1.4 (1.9)	1.9 (2.5)	1.4 (1.7)
#B966BS-101M=P3	100	± 20	255 (210)	1.2 (1.6)	1.6 (2.1)	1.2 (1.4)
#B966BS-151M=P3	150	± 20	385 (320)	1.0 (1.3)	1.3 (1.8)	0.97 (1.1)
#B966BS-221M=P3	220	± 20	610 (505)	0.84 (1.1)	1.1 (1.4)	0.76 (0.85)
#B966BS-271M=P3	270	± 20	690 (575)	0.75 (1.0)	0.97 (1.3)	0.71 (0.80)
#B966BS-331M=P3	330	± 20	760 (630)	0.69 (0.92)	0.88 (1.2)	0.68 (0.80)

(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, 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10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

Looking for pricing, stock, or lifecycle information?

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