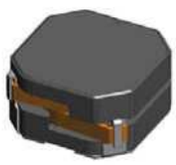
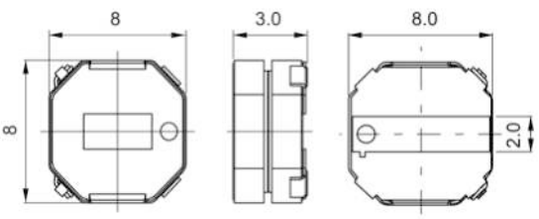
DEM8030C / DEM8040C / DEM8045C

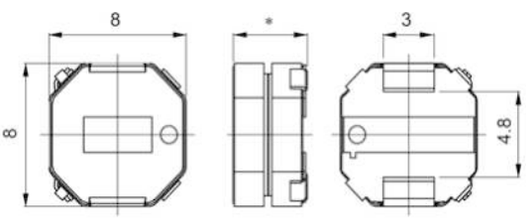
Inductance Range: 1.5~47μH(DEM8030C), 1.5~33μH(DEM8040C), 1.5~47μH(DEM8045C)



DEM8030C



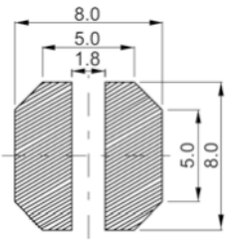
DEM8040C / DEM8045C



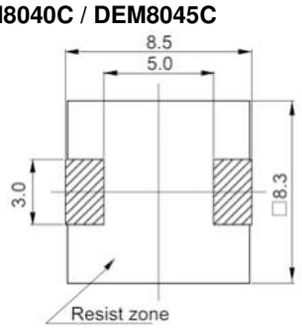
(Unit: mm)

Recommended patterns
推荐焊盘尺寸

DEM8030C



DEM8040C / DEM8045C



(Unit: mm)

* : DEM8040C ; 4.0mm Max.

DEM8045C ; 4.5mm Max.

FEATURES 特点

- 8.3× 8.3mm Max. square, 3.0, 4.0, and 4.5mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- RoHS compliant.
- Halogen Free

- 最大8.3×8.3毫米的平面，最大高度3.0 / 4.0 / 4.5毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 符合RoHS指令
- 无卤素

STANDARD PART NUMBERS 标准零件号码

TYPE DEM8030C (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.) $\frac{\Delta L}{L}$ =30%**	**Temperature Rise Current(3) ΔT=40°C (A) Max. (Typ.)**
1273AS-H-1R5N=P3	1.5	±30	10.0 (8.3)	7.5(10)	7.3(8.6)
1273AS-H-2R2N=P3	2.2	±30	13.2 (11)	6.2(8.2)	6.5(7.7)
1273AS-H-3R3N=P3	3.3	±30	19.2 (16)	5.2(6.9)	5.4(6.3)
1273AS-H-4R7N=P3	4.7	±30	22.8 (19)	4.4(5.9)	4.9(5.8)
1273AS-H-6R8N=P3	6.8	±30	37.2 (31)	3.4(4.5)	3.7(4.4)
1273AS-H-100M=P3	10	±20	54.0 (45)	2.9(3.8)	3.1(3.6)
1273AS-H-150M=P3	15	±20	78.0 (65)	2.4(3.2)	2.6(3.1)
1273AS-H-220M=P3	22	±20	126.0 (105)	2.0 (2.7)	2.0 (2.4)
1273AS-H-330M=P3	33	±20	174.0 (145)	1.6 (2.1)	1.9 (2.2)
1273AS-H-470M=P3	47	±20	289.0 (241)	1.3(1.7)	1.3(1.5)

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STANDARD PART NUMBERS 标准零件号码

TYPE DEM8040C (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.) $\frac{\Delta L}{L}$ =30%	Temperature Rise Current(3) ΔT=40°C (A) Max. (Typ.)
1248AS-H-1R5N=P3	1.5	±30	10.1 (8.4)	10.0 (14.0)	8.0 (9.4)
1248AS-H-2R2N=P3	2.2	±30	13.2 (11)	8.6 (12.0)	7.0 (8.3)
1248AS-H-3R3N=P3	3.3	±30	19.2 (16)	7.2 (9.4)	5.6 (6.6)
1248AS-H-4R7N=P3	4.7	±30	22.8 (19)	6.2 (8.4)	5.3 (6.2)
1248AS-H-6R8N=P3	6.8	±30	36.0 (30)	4.8 (6.6)	4.2 (4.9)
1248AS-H-100M=P3	10	±20	52.8 (44)	4.1 (5.4)	3.4 (4.0)
1248AS-H-150M=P3	15	±20	78.0 (65)	3.4 (4.6)	2.7 (3.2)
1248AS-H-220M=P3	22	±20	126.0 (105)	2.8 (3.7)	2.2 (2.6)
1248AS-H-330M=P3	33	±20	168.0 (140)	2.4 (3.1)	1.8 (2.2)

TYPE DEM8045C (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.) $\frac{\Delta L}{L}$ =30%	Temperature Rise Current(3) ΔT=40°C (A) Max. (Typ.)
1217AS-H-1R5N=P3	1.5	±30	7.6 (6.5)	11.2 (15.0)	9.4 (11.0)
1217AS-H-2R2N=P3	2.2	±30	9.9 (8.3)	9.3 (12.4)	8.7 (10.0)
1217AS-H-3R3N=P3	3.3	±30	14.4 (12)	7.7 (10.3)	6.8 (8.0)
1217AS-H-4R7N=P3	4.7	±30	18.0 (15)	6.7 (9.0)	6.3 (7.4)
1217AS-H-5R6N=P3	5.6	±30	22.8 (19)	6.1 (8.1)	5.4 (6.4)
1217AS-H-6R8N=P3	6.8	±30	27.6 (23)	5.2 (7.0)	4.8 (5.6)
1217AS-H-8R2M=P3	8.2	±20	33.6 (28)	4.8 (6.4)	4.5 (5.3)
1217AS-H-100M=P3	10	±20	39.6 (33)	4.3 (5.7)	3.9 (4.6)
1217AS-H-150M=P3	15	±20	52.8 (44)	3.3 (4.4)	3.5 (4.1)
1217AS-H-180M=P3	18	±20	76.8 (64)	3.2 (4.3)	2.9 (3.4)
1217AS-H-220M=P3	22	±20	93.6 (78)	2.9 (3.9)	2.4 (2.8)
1217AS-H-330M=P3	33	±20	132.0 (110)	2.3 (3.1)	2.2 (2.6)
1217AS-H-470M=P3	47	±20	204.0 (170)	2.1 (2.8)	1.8 (2.1)

(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）。