

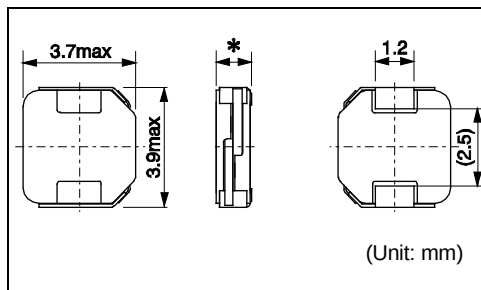
DEM3512C

85
°C

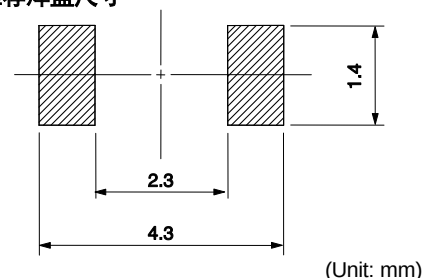
RoHS

REACH

Inductance Range: 0.68~22μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (3.5 × 3.7mm square, 1.2mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（最大3.5x3.7毫米的平面，最大高度1.2毫米）
- 磁性屏蔽结构和低直流电阻
- 是多种DC-DC转换器电感器设备的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM3512C (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	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.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1229AS-H-R68N=P3	0.68	± 30	52 (43)	2.50 (3.30)	2.25 (2.65)
1229AS-H-1R0N=P3	1.0	± 30	65 (54)	2.05 (2.75)	1.85 (2.20)
1229AS-H-1R5N=P3	1.5	± 30	75 (62)	1.65 (2.20)	1.80 (2.10)
1229AS-H-2R0M=P3	2.0	± 20	88 (73)	1.50 (2.00)	1.70 (2.00)
1229AS-H-3R3M=P3	3.3	± 20	96 (80)	1.30 (1.75)	1.65 (1.95)
1229AS-H-4R7M=P3	4.7	± 20	126 (105)	1.10 (1.45)	1.35 (1.60)
1229AS-H-6R8M=P3	6.8	± 20	192 (160)	0.90 (1.20)	1.20 (1.40)
1229AS-H-100M=P3	10	± 20	288 (240)	0.75 (1.00)	0.85 (1.00)
1229AS-H-120M=P3	12	± 20	336 (280)	0.65 (0.87)	0.79 (0.93)
1229AS-H-150M=P3	15	± 20	408 (340)	0.59 (0.78)	0.72 (0.84)
1229AS-H-220M=P3	22	± 20	672 (560)	0.50 (0.66)	0.53 (0.62)

- (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)。