

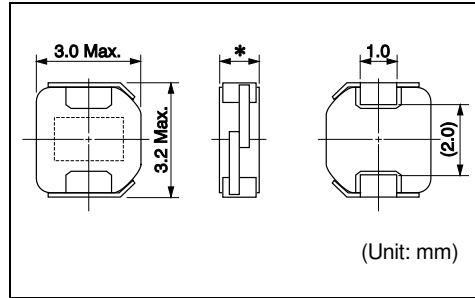
**DEM2812C**

85  
°C

RoHS

REACH

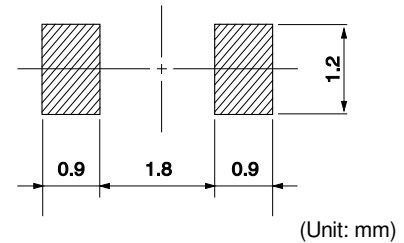
Inductance Range: 0.47~12μH



Note (\*) 1.2mm Max. height

**Recommended patterns**

推荐焊盘尺寸



**FEATURES 特点**

- Low profile (2.8 × 3.0mm 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2.8×3.0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
- 是适用于多种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 DEM2812C (Magnetically Shielded, Quantity/reel; 2,000 PCS)**

零件号码	电感值 <sup>(1)</sup>	公差	最大直流电阻 <sup>(2)</sup> (典型)	最大电感减小电流 <sup>(3)</sup> (典型)	最大温度上升电流 <sup>(3)</sup> (典型)
Part Number	Inductance <sup>(1)</sup> (μH)	Tolerance (%)	DC Resistance <sup>(2)</sup> (mΩ) Max. (Typ.)	Inductance Decrease Current <sup>(3)</sup> (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current <sup>(3)</sup> $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
1225AS-H-R47N=P2	0.47	± 30	31 (26)	2.5 (3.4)	3.1 (3.7)
1225AS-H-R68N=P2	0.68	± 30	37 (31)	2.0 (2.7)	2.9 (3.4)
1225AS-H-1R0N=P2	1.0	± 30	43 (36)	1.8 (2.4)	2.7 (3.2)
1225AS-H-1R5N=P2	1.5	± 30	52 (43)	1.5 (2.1)	2.4 (2.8)
1225AS-H-2R2M=P2	2.2	± 20	70 (58)	1.2 (1.6)	2.0 (2.4)
1225AS-H-3R3M=P2	3.3	± 20	96 (80)	1.0 (1.4)	1.5 (1.8)
1225AS-H-4R7M=P2	4.7	± 20	126 (105)	0.88 (1.2)	1.4 (1.6)
1225AS-H-6R8M=P2	6.8	± 20	204 (170)	0.72 (0.96)	1.1 (1.3)
1225AS-H-100M=P2	10	± 20	300 (250)	0.58 (0.77)	0.85 (1.0)
1225AS-H-120M=P2	12	± 20	350 (290)	0.55 (0.73)	0.76 (0.95)

(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)。