

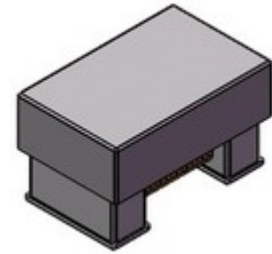
SMD Power Inductor

0805CDWLF/DS



特点

- Magnetically unshielded
- L×W×H: 2.4×1.73×1.4mm Max.
- Product weight: 12.5mg (Ref.)
- Moisture Sensitivity Level: 1



环境规格

- Operating temperature range: -40°C~+105°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+105°C

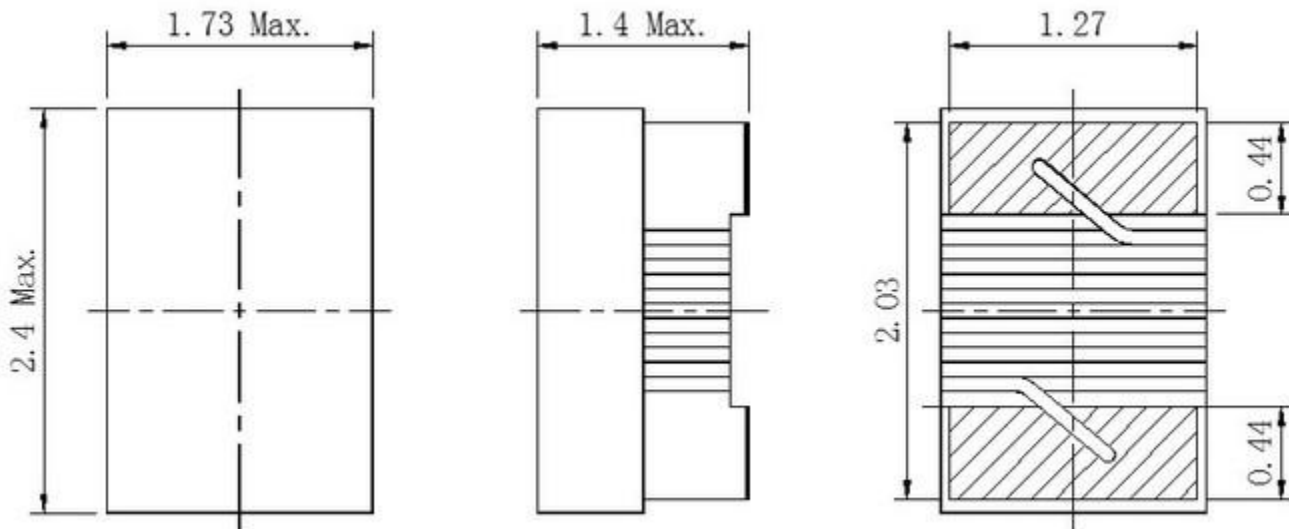
包装

- Carrier tape and reel packaging
- 2000pcs per reel

用途

- LCD Displays, STB, LCD monitor/TV, smart meter, tablet PC and other portable devices, DC/DC converters

外形尺寸 - [mm]

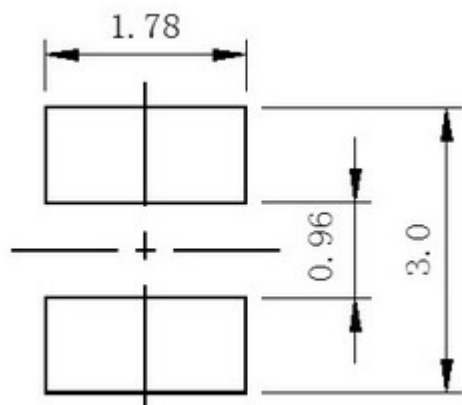


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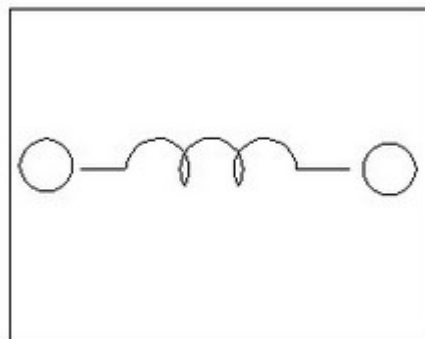
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推荐焊盘尺寸 - [mm]



接线图 (底面)



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电气特性规格

品名	电感值 [within] (μ H) ※1	直流电阻 (20℃) Max. (Typ.) (m Ω)	饱和电流 (A) Max. (Typ.) ※2	温度上升电流 (A) Max. (Typ.) ※3
0805CDWLFDS-R10KC	0.10 \pm 10%	91.00 (N/A)	2.04 (2.40)	(1.27)
0805CDWLFDS-R15KC	0.15 \pm 10%	104 (N/A)	1.61 (1.90)	(1.14)
0805CDWLFDS-R47KC	0.47 \pm 10%	156 (N/A)	1.19 (1.40)	(0.98)
0805CDWLFDS-1R0KC	1.00 \pm 10%	205 (N/A)	0.93 (1.10)	(0.78)
0805CDWLFDS-2R2KC	2.20 \pm 10%	286 (N/A)	0.63 (0.74)	(0.64)
0805CDWLFDS-2R7KC	2.70 \pm 10%	325 (N/A)	0.58 (0.68)	(0.58)
0805CDWLFDS-3R3KC	3.30 \pm 10%	364 (N/A)	0.52 (0.62)	(0.56)
0805CDWLFDS-3R9KC	3.90 \pm 10%	494 (N/A)	0.49 (0.58)	(0.46)
0805CDWLFDS-4R7KC	4.70 \pm 10%	559 (N/A)	0.44 (0.52)	(0.43)
0805CDWLFDS-6R8KC	6.80 \pm 10%	884 (N/A)	0.35 (0.42)	(0.37)
0805CDWLFDS-8R2KC	8.20 \pm 10%	949 (N/A)	0.34 (0.40)	(0.33)
0805CDWLFDS-100KC	10.00 \pm 10%	1105 (N/A)	0.30 (0.36)	(0.30)
0805CDWLFDS-120KC	12.00 \pm 10%	1170 (N/A)	0.29 (0.34)	(0.28)
0805CDWLFDS-150KC	15.00 \pm 10%	1820 (N/A)	0.25 (0.30)	(0.22)
0805CDWLFDS-220KC	22.00 \pm 10%	2288 (N/A)	0.20 (0.24)	(0.20)
0805CDWLFDS-270KC	27.00 \pm 10%	2600 (N/A)	0.18 (0.22)	(0.18)
0805CDWLFDS-330KC	33.00 \pm 10%	3678 (N/A)	0.17 (0.20)	(0.17)
0805CDWLFDS-390KC	39.00 \pm 10%	4355 (N/A)	0.15 (0.18)	(0.13)
0805CDWLFDS-470KC	47.00 \pm 10%	6604 (N/A)	0.13 (0.16)	(0.12)

※1 Measuring frequency Inductance at 0.47 μ H ~6.8 μ H at 7.9 MHz 0.1V; 10 μ H ~47 μ H at 2.5 MHz 0.1V.

※2 Saturation current: This indicates the value of D.C. current when the inductance becomes 30% lower than its initial value.

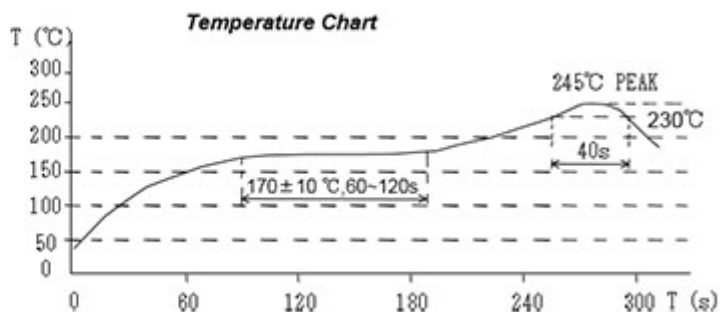
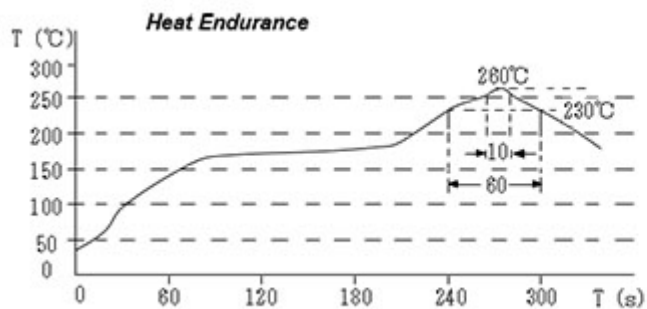
※3 Temperature rise current: The actual value of D.C. current when the temperature of coil becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

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回流焊耐热与推荐温度曲线图



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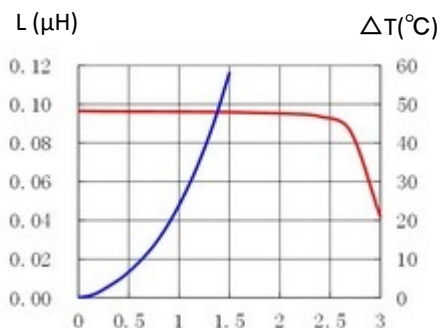


直流饱和电流&温度上升曲线图

— L (20°C)

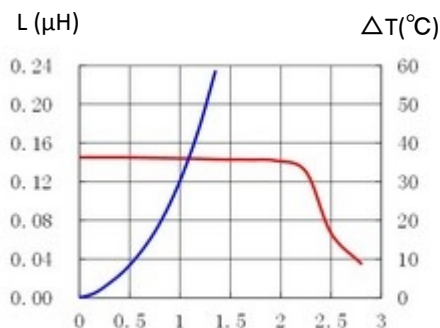
— ΔT

1. 0805CDWLFDS-R10KC



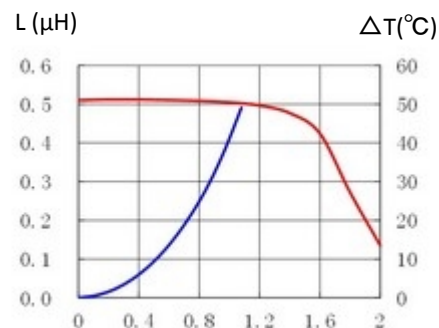
DC(A)

2. 0805CDWLFDS-R15KC



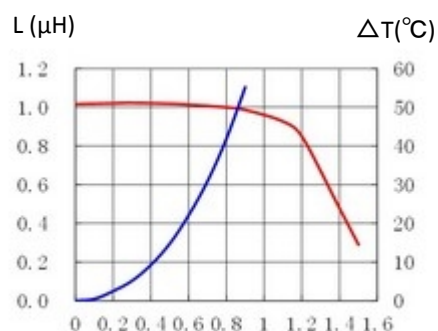
DC(A)

3. 0805CDWLFDS-R47KC



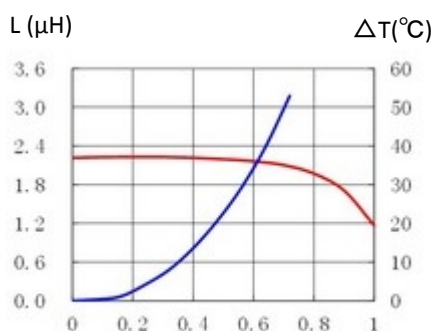
DC(A)

4. 0805CDWLFDS-1R0KC



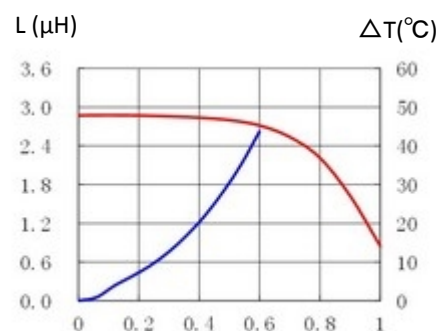
DC(A)

5. 0805CDWLFDS-2R2KC



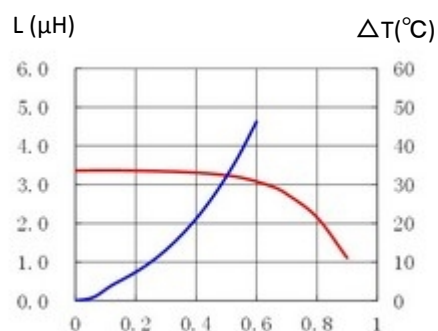
DC(A)

6. 0805CDWLFDS-2R7KC



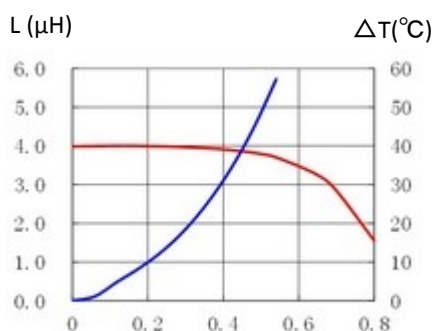
DC(A)

7. 0805CDWLFDS-3R3KC



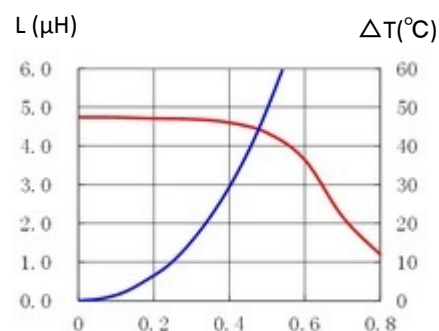
DC(A)

8. 0805CDWLFDS-3R9KC



DC(A)

9. 0805CDWLFDS-4R7KC



DC(A)

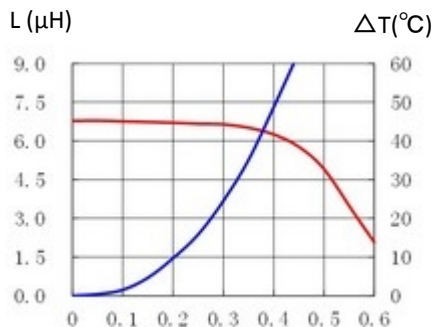
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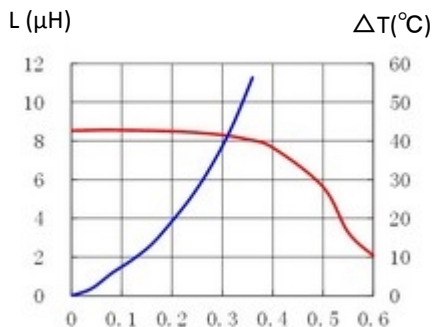


10. 0805CDWLFDS-6R8KC



DC(A)

11. 0805CDWLFDS-8R2KC



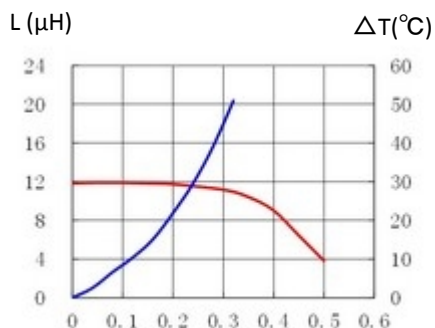
DC(A)

12. 0805CDWLFDS-100KC



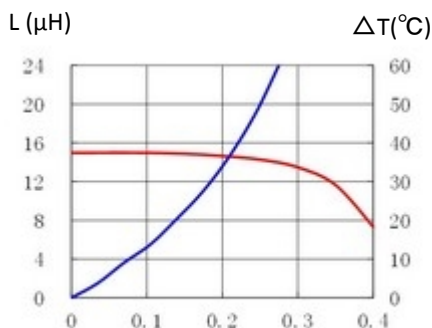
DC(A)

13. 0805CDWLFDS-120KC



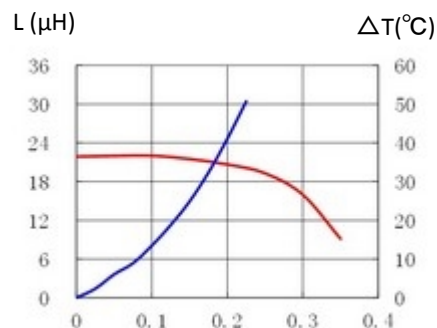
DC(A)

14. 0805CDWLFDS-150KC



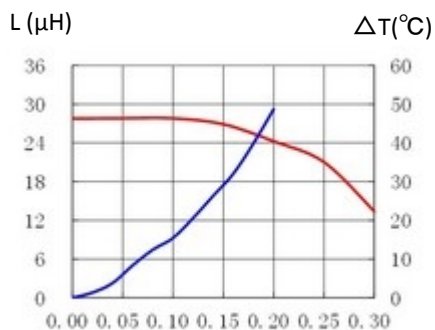
DC(A)

15. 0805CDWLFDS-220KC



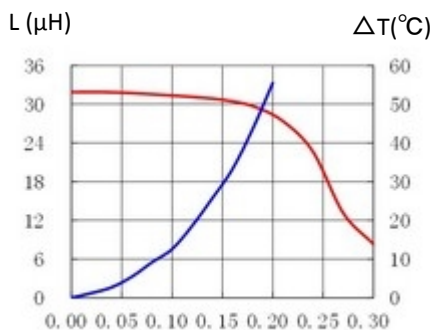
DC(A)

16. 0805CDWLFDS-270KC



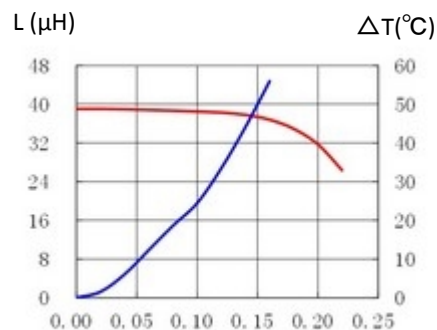
DC(A)

17. 0805CDWLFDS-330KC



DC(A)

18. 0805CDWLFDS-390KC



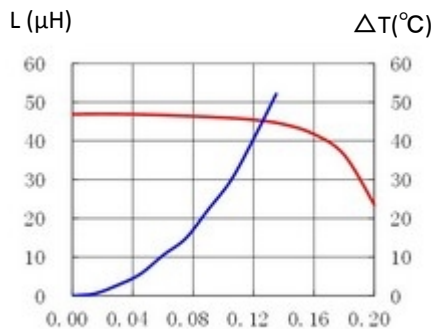
DC(A)

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0805CDWLF/DS



19. 0805CDWLFDS-470KC



DC(A)



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