

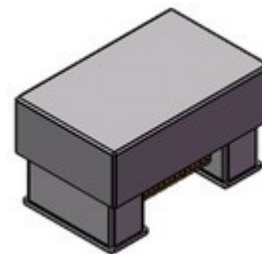
SMD Power Inductor

0603CDWLF/DS



特点

- Magnetically unshielded
- L×W×H: 1.8×1.2×1.0mm Max.
- Product weight: 6.5mg (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

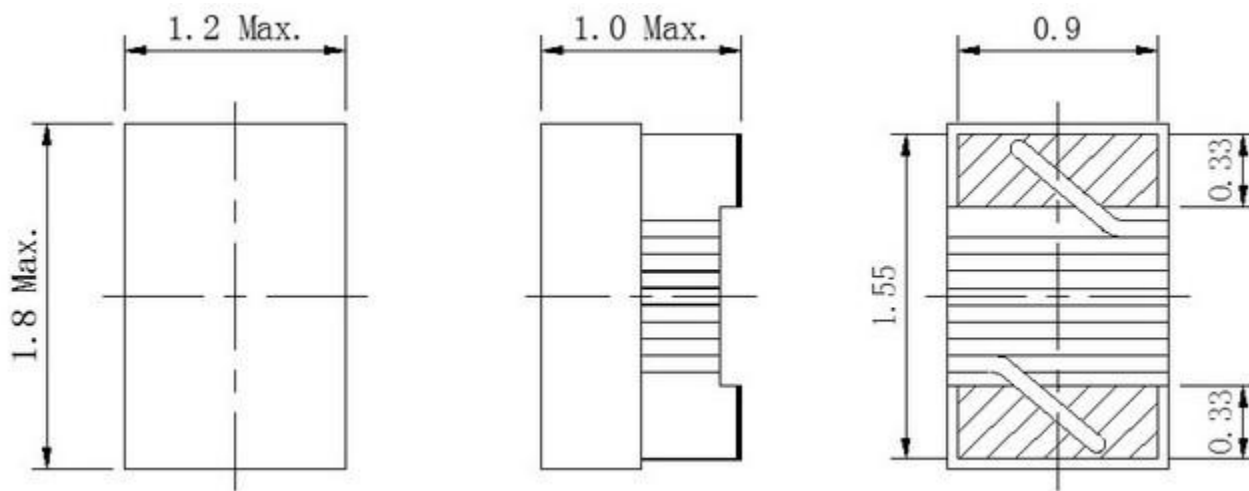
包装

- Carrier tape and reel packaging
- 4000pcs 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]

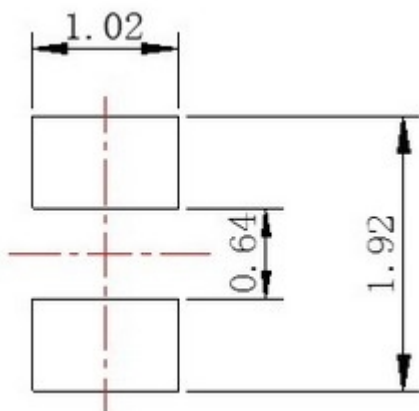


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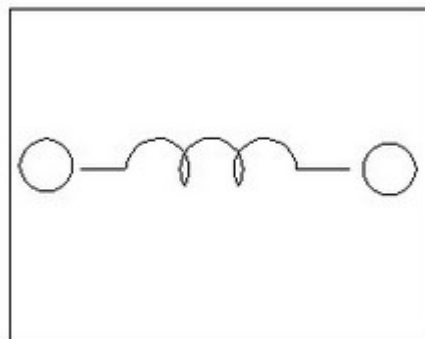
0603CDWLF/DS



推荐焊盘尺寸 - [mm]



接线图 (底面)





电气特性规格

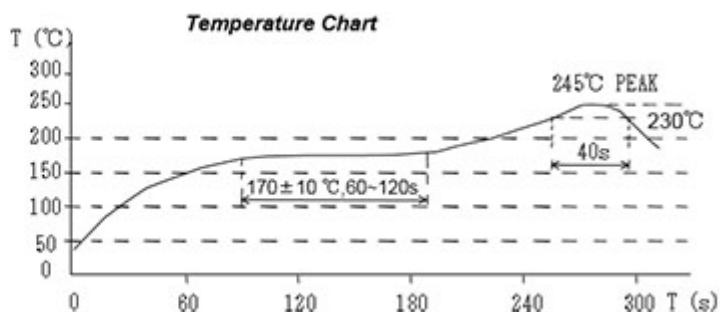
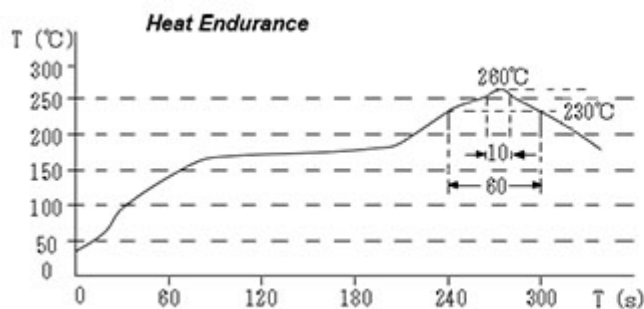
品名	电感值 [within] (μH) ※1	直流电阻 (20℃) Max. (Typ.) (m Ω)	饱和电流 (A) Max. (Typ.) ※2	温度上升电流 (A) Max. (Typ.) ※3
0603CDWLFDS-R47KC	0.47 \pm 10%	338 (N/A)	0.78 (0.92)	(0.61)
0603CDWLFDS-R68KC	0.68 \pm 10%	351 (N/A)	0.76 (0.90)	(0.50)
0603CDWLFDS-1R0KC	1.00 \pm 10%	416 (N/A)	0.73 (0.86)	(0.48)
0603CDWLFDS-1R8KC	1.80 \pm 10%	559 (N/A)	0.54 (0.64)	(0.42)
0603CDWLFDS-2R2KC	2.20 \pm 10%	728 (N/A)	0.51 (0.60)	(0.41)
0603CDWLFDS-3R3KC	3.30 \pm 10%	910 (N/A)	0.42 (0.50)	(0.34)
0603CDWLFDS-4R7KC	4.70 \pm 10%	1261 (N/A)	0.34 (0.40)	(0.33)
0603CDWLFDS-6R8KC	6.80 \pm 10%	1950 (N/A)	0.29 (0.34)	(0.23)
0603CDWLFDS-100KC	10.00 \pm 10%	2405 (N/A)	0.24 (0.28)	(0.21)
0603CDWLFDS-150KC	15.00 \pm 10%	4440 (N/A)	0.20 (0.24)	(0.14)
0603CDWLFDS-220KC	22.00 \pm 10%	5640 (N/A)	0.17 (0.20)	(0.12)
0603CDWLFDS-330KC	33.00 \pm 10%	7320 (N/A)	0.10 (0.12)	(0.105)
0603CDWLFDS-470KC	47.00 \pm 10%	8640 (N/A)	0.08 (0.10)	(0.087)

※1 Measuring frequency Inductance at 0.47 μH ~6.8 μH at 7.9 MHz 0.1V; 10 μH ~47 μH 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 $\Delta T=40^\circ\text{C}$ ($T_a=25^\circ\text{C}$).

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. 0603CDWLFDS-R47KC

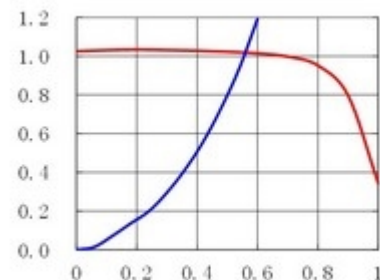
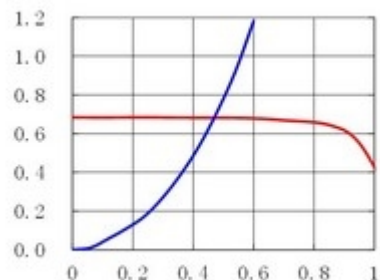
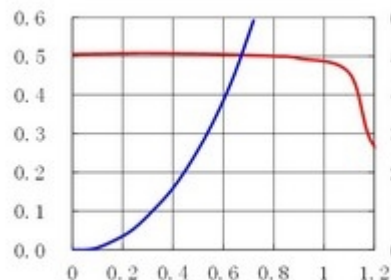
2. 0603CDWLFDS-R68KC

3. 0603CDWLFDS-1R0KC

L (μH) ΔT (°C)

L (μH) ΔT (°C)

L (μH) ΔT (°C)



DC(A)

DC(A)

DC(A)

4. 0603CDWLFDS-1R8KC

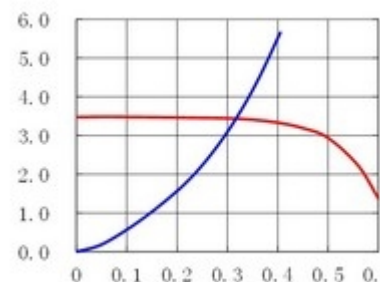
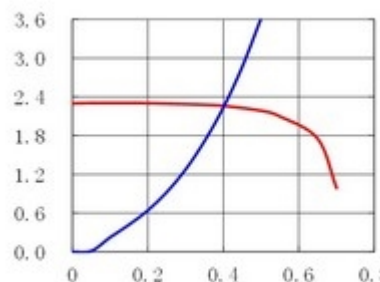
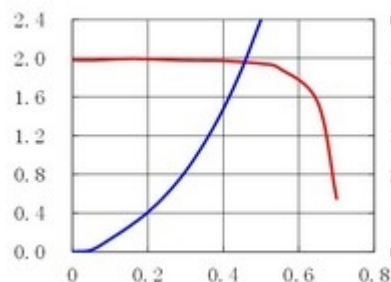
5. 0603CDWLFDS-2R2KC

6. 0603CDWLFDS-3R3KC

L (μH) ΔT (°C)

L (μH) ΔT (°C)

L (μH) ΔT (°C)



DC(A)

DC(A)

DC(A)

7. 0603CDWLFDS-4R7KC

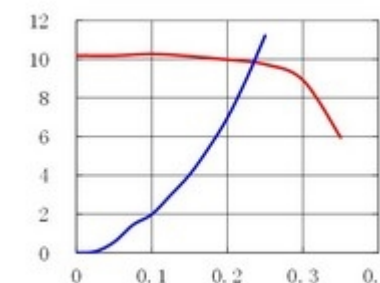
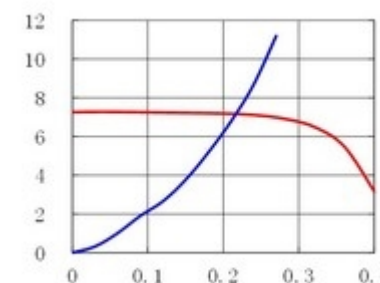
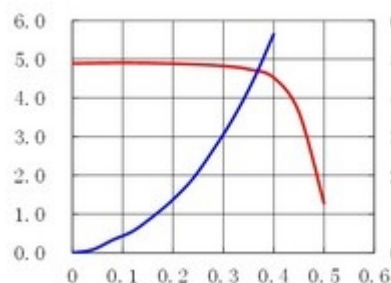
8. 0603CDWLFDS-6R8KC

9. 0603CDWLFDS-100KC

L (μH) ΔT (°C)

L (μH) ΔT (°C)

L (μH) ΔT (°C)



DC(A)

DC(A)

DC(A)

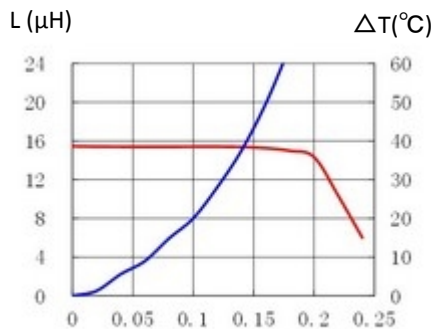
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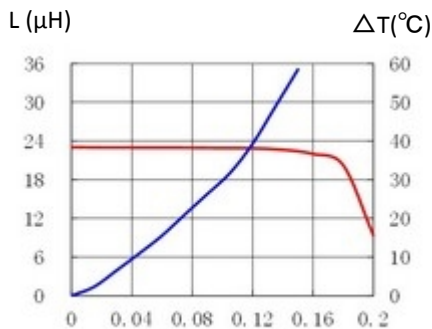


10. 0603CDWLFDS-150KC



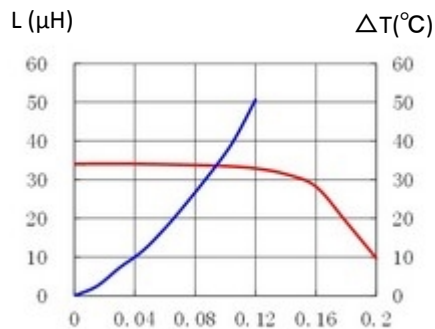
DC(A)

11. 0603CDWLFDS-220KC



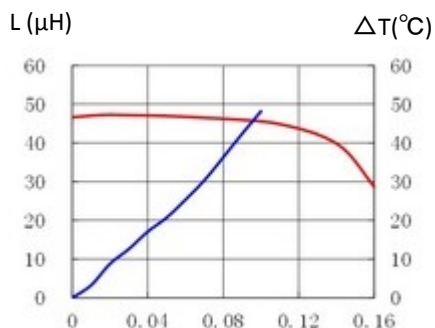
DC(A)

12. 0603CDWLFDS-330KC



DC(A)

13. 0603CDWLFDS-470KC



DC(A)



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