

SMD Power Inductor CDRH8D48/A



Electrical Characteristics

| Part No. | Stamp | Inductance [μ H] [Within] ※1 | D.C.R. (m Ω) [Max.](Typ.) (at 20°C) | Rated current (A) (at 125°C) ※2 |
|--------------------|-------|---|---|------------------------------------|
| CDRH8D48/ANP-100MC | 100 | 10 μ H \pm 20% | 38(30) | 2.26 |
| CDRH8D48/ANP-120MC | 120 | 12 μ H \pm 20% | 50(40) | 1.87 |
| CDRH8D48/ANP-150MC | 150 | 15 μ H \pm 20% | 63(50) | 1.62 |
| CDRH8D48/ANP-180MC | 180 | 18 μ H \pm 20% | 75(60) | 1.58 |
| CDRH8D48/ANP-220MC | 220 | 22 μ H \pm 20% | 88(70) | 1.45 |
| CDRH8D48/ANP-270MC | 270 | 27 μ H \pm 20% | 106(85) | 1.33 |
| CDRH8D48/ANP-330MC | 330 | 33 μ H \pm 20% | 125(100) | 1.20 |
| CDRH8D48/ANP-390MC | 390 | 39 μ H \pm 20% | 156(125) | 1.06 |
| CDRH8D48/ANP-470MC | 470 | 47 μ H \pm 20% | 188(150) | 1.00 |
| CDRH8D48/ANP-560MC | 560 | 56 μ H \pm 20% | 238(190) | 0.89 |
| CDRH8D48/ANP-680MC | 680 | 68 μ H \pm 20% | 275(220) | 0.82 |
| CDRH8D48/ANP-820MC | 820 | 82 μ H \pm 20% | 312(250) | 0.73 |
| CDRH8D48/ANP-101MC | 101 | 100 μ H \pm 20% | 394(315) | 0.70 |
| CDRH8D48/ANP-121MC | 121 | 120 μ H \pm 20% | 438(350) | 0.63 |
| CDRH8D48/ANP-151MC | 151 | 150 μ H \pm 20% | 580(465) | 0.58 |

※1. Inductance measuring condition: at 100 kHz.

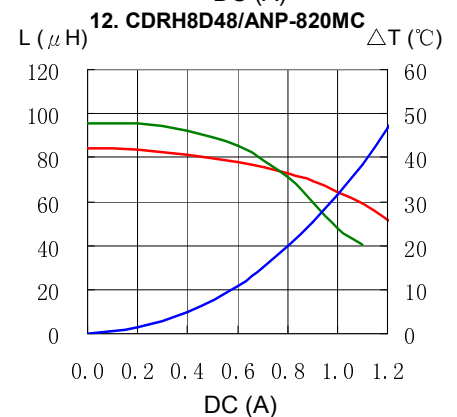
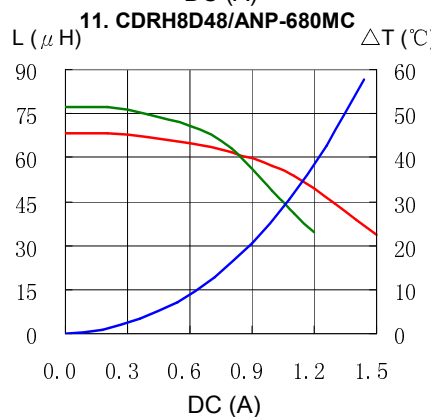
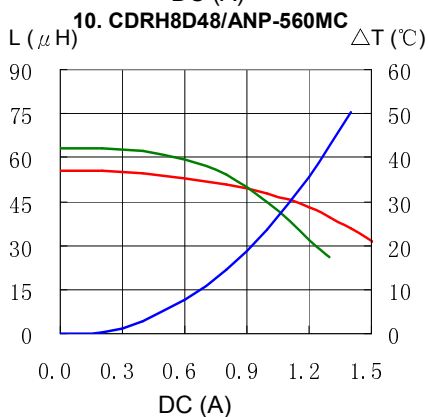
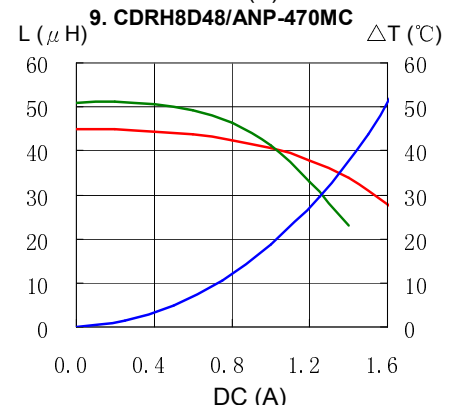
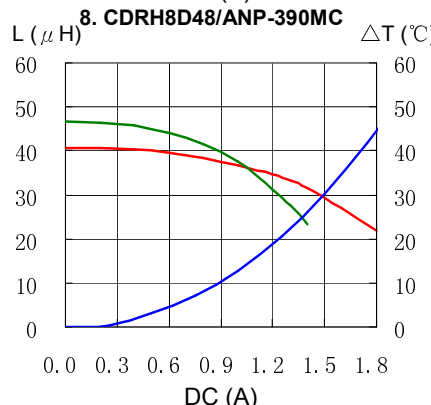
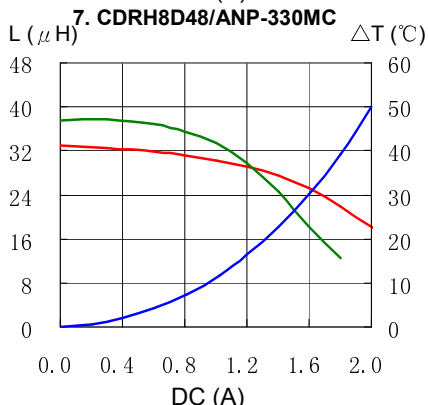
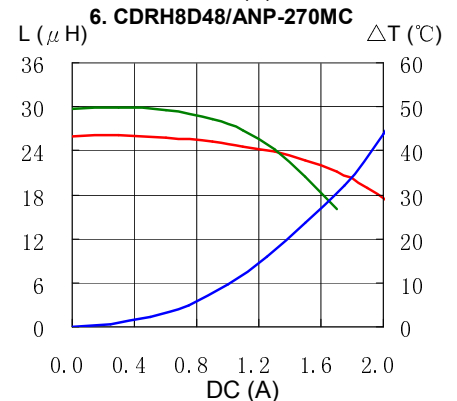
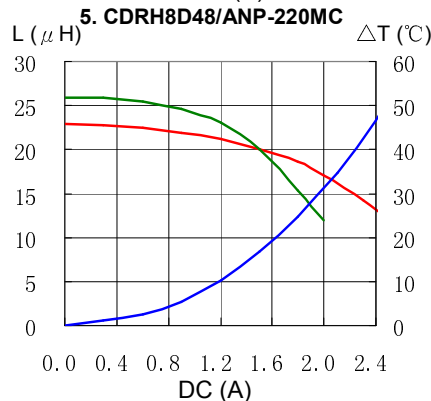
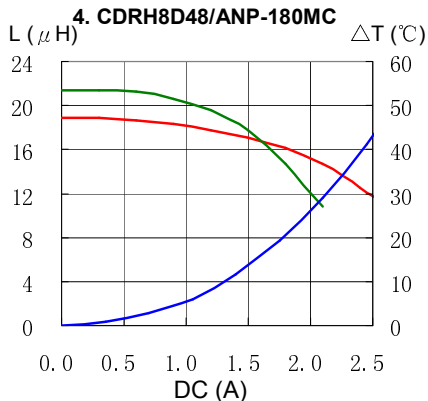
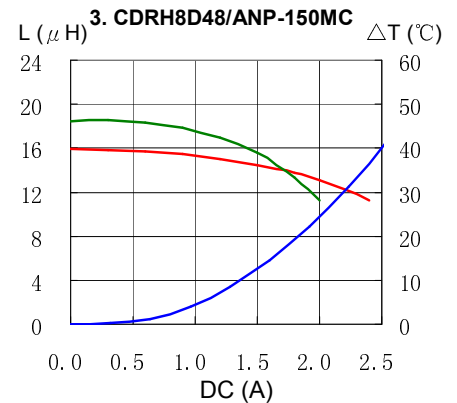
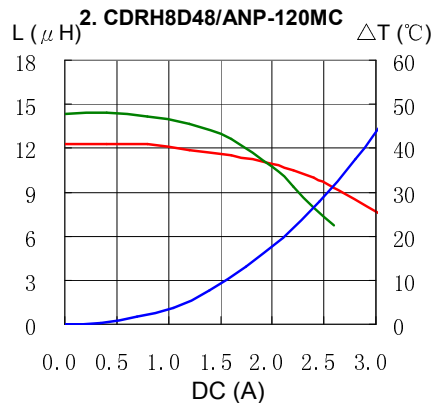
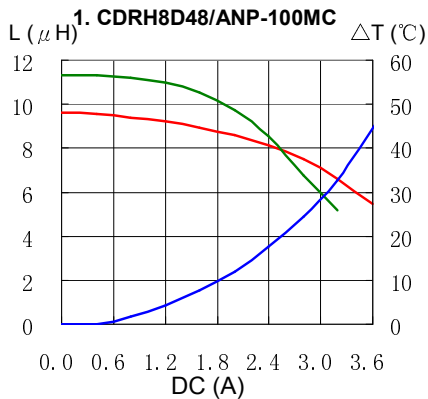
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when $\Delta t=30^{\circ}\text{C}$, whichever is lower .

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Saturation Current & Temperature Rise Graph

— L (20°C) — L (125°C) — ΔT

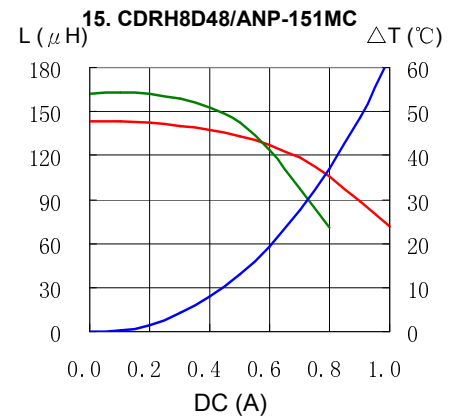
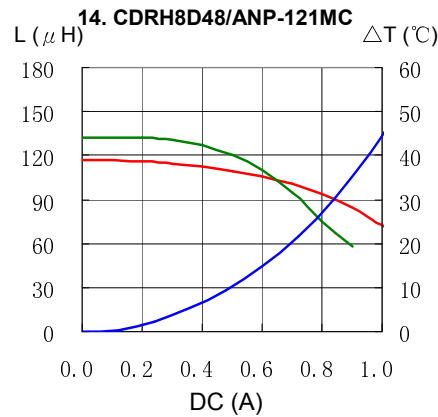
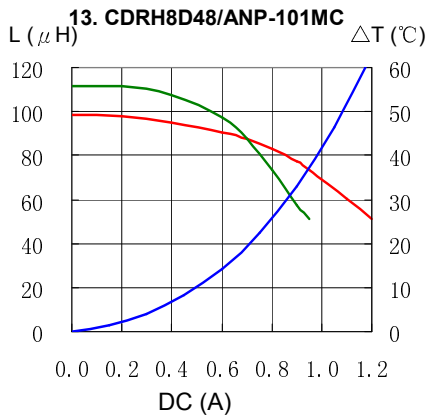


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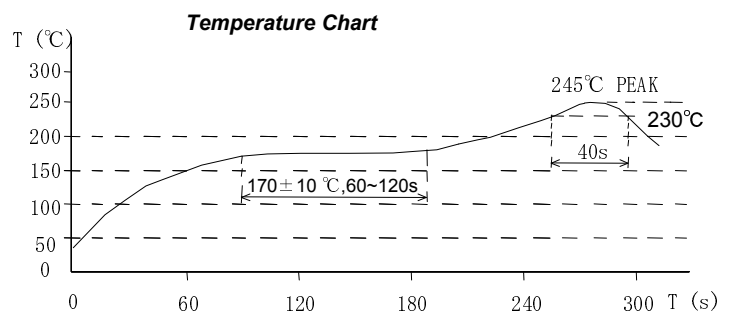
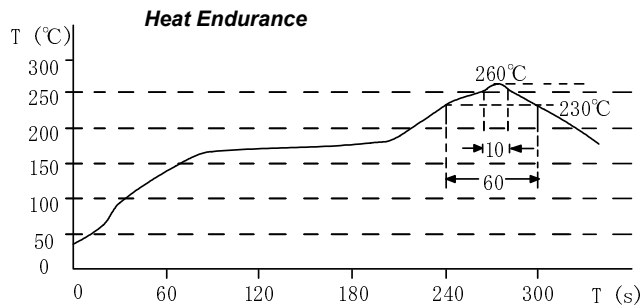


Saturation Current & Temperature Rise Graph

— L (20°C) — L (125°C) — ΔT



Solder Reflow Condition



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