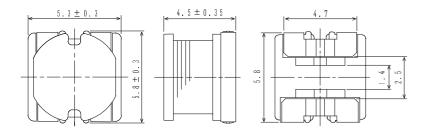
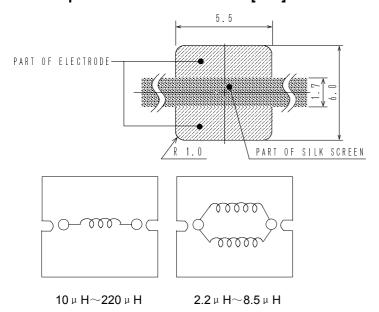




Dimension - [mm]



Land pattern and Schematics - [mm]



Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 6.1 × 5.6 × 4.85 mm Max.
- Product weight: 0.41g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data

- Operating temperature range: -40°C~+100°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~+100°C
- Solder reflow temperature: 260 °C peak.

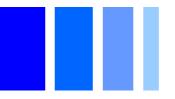
Packaging

- · Carrier tape and reel packaging
- 12.9"diameter reel
- 1500pcs per reel

Applications

 Ideally used in A/V equipment, LCD TV, DSC/DVC, Game Machine, DVC, HDD, Notebook PC, etc as DC-DC converter inductors.

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Electrical Characteristics

| Part Name | Stamp | Inductance (μ H) [within] $	ilde{ \times }$ 1 | D.C.R. (Ω) [Max.] (at 20℃) | Rated Current (A)%2 |
|--------------|-------|--|----------------------------------|---------------------|
| CR54NP-2R2MC | 2R2 | 2.2±20 % | 23.4m | 3.84 |
| CR54NP-2R7MC | 2R7 | 2.7±20 % | 26.0m | 3.44 |
| CR54NP-3R3MC | 3R3 | 3.3±20 % | 28.6m | 3.20 |
| CR54NP-3R9MC | 3R9 | 3.9±20 % | 35.1m | 3.00 |
| CR54NP-4R4MC | 4R4 | 4.4±20 % | 39.0m | 2.80 |
| CR54NP-5R0MC | 5R0 | 5.0±20 % | 44.2m | 2.60 |
| CR54NP-5R6MC | 5R6 | 5.6±20 % | 49.4m | 2.48 |
| CR54NP-6R4MC | 6R4 | 6.4±20 % | 52.0m | 2.20 |
| CR54NP-7R6MC | 7R6 | 7.6±20 % | 62.4m | 2.08 |
| CR54NP-8R5MC | 8R5 | 8.5±20 % | 67.6m | 1.84 |
| CR54NP-100MC | 100 | 10±20 % | 0.10 | 1.44 |
| CR54NP-120MC | 120 | 12±20 % | 0.12 | 1.40 |
| CR54NP-150MC | 150 | 15±20 % | 0.14 | 1.30 |
| CR54NP-180MC | 180 | 18±20 % | 0.15 | 1.23 |
| CR54NP-220MC | 220 | 22±20 % | 0.18 | 1.11 |
| CR54NP-270MC | 270 | 27±20 % | 0.20 | 0.97 |
| CR54NP-330LC | 330 | 33±15 % | 0.23 | 0.88 |
| CR54NP-390LC | 390 | 39±15 % | 0.32 | 0.80 |
| CR54NP-470LC | 470 | 47±15 % | 0.37 | 0.72 |
| CR54NP-560KC | 560 | 56±10 % | 0.42 | 0.68 |
| CR54NP-680KC | 680 | 68±10 % | 0.46 | 0.61 |
| CR54NP-820KC | 820 | 82±10 % | 0.60 | 0.58 |
| CR54NP-101KC | 101 | 100±10 % | 0.70 | 0.52 |
| CR54NP-121KC | 121 | 120±10 % | 0.93 | 0.48 |
| CR54NP-151KC | 151 | 150±10 % | 1.10 | 0.40 |
| CR54NP-181KC | 181 | 180±10 % | 1.38 | 0.38 |
| CR54NP-221KC | 221 | 220±10 % | 1.57 | 0.35 |

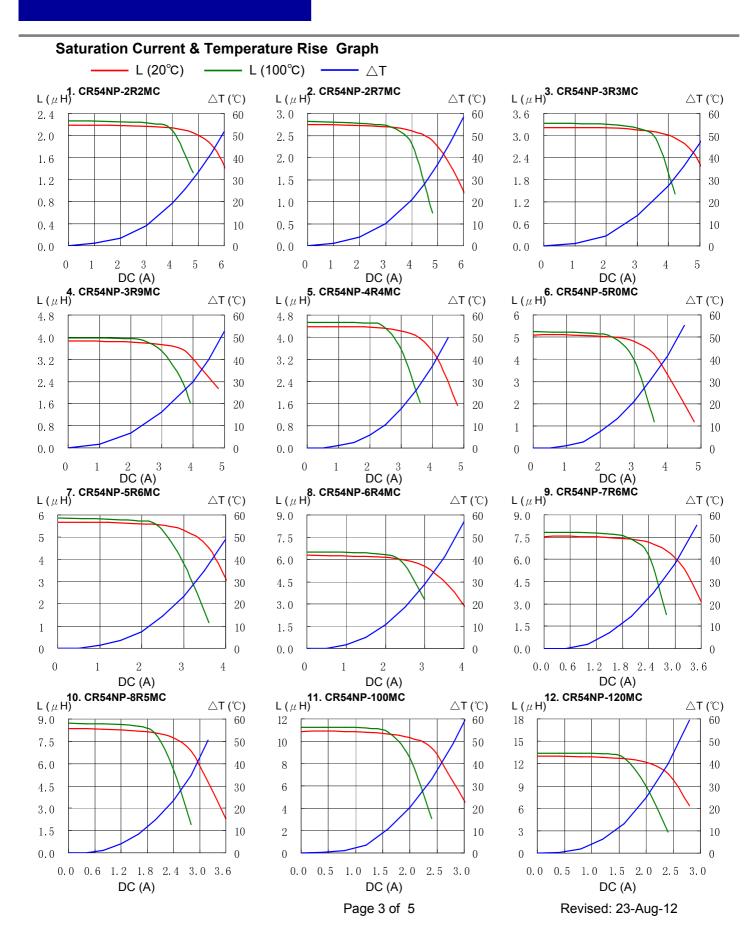
%1.Inductance measuring frequency: $2.2 \,\mu$ H $\sim 8.5 \,\mu$ H ; at 7.96 MHz

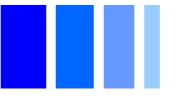
&2. Rated current: The D.C. current at which the inductance decreases to 90% of it's initial value or when \triangle t=40 $^{\circ}$ C, whichever is lower (Ta=20 $^{\circ}$ C).

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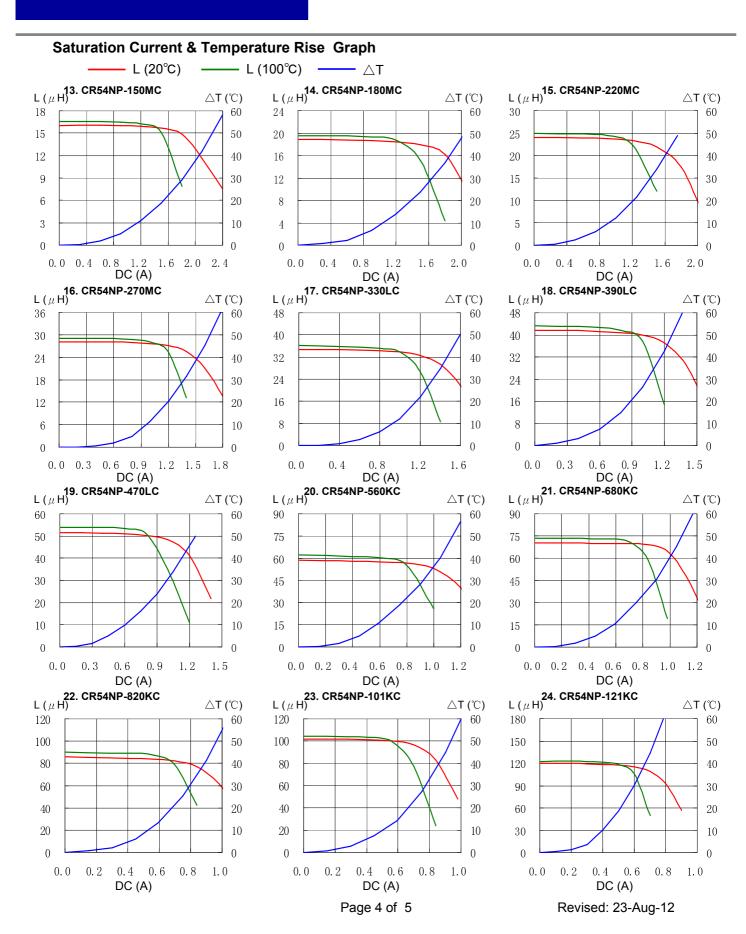








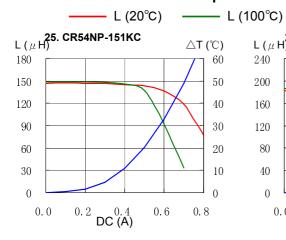


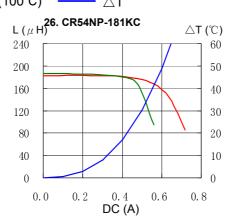


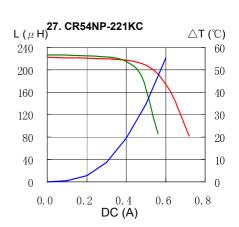




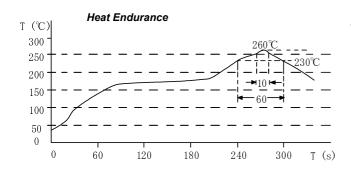
Saturation Current & Temperature Rise Graph

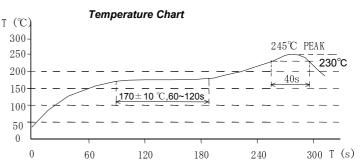






Solder Reflow Condition





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