

Type: DEPI1615

Product Description

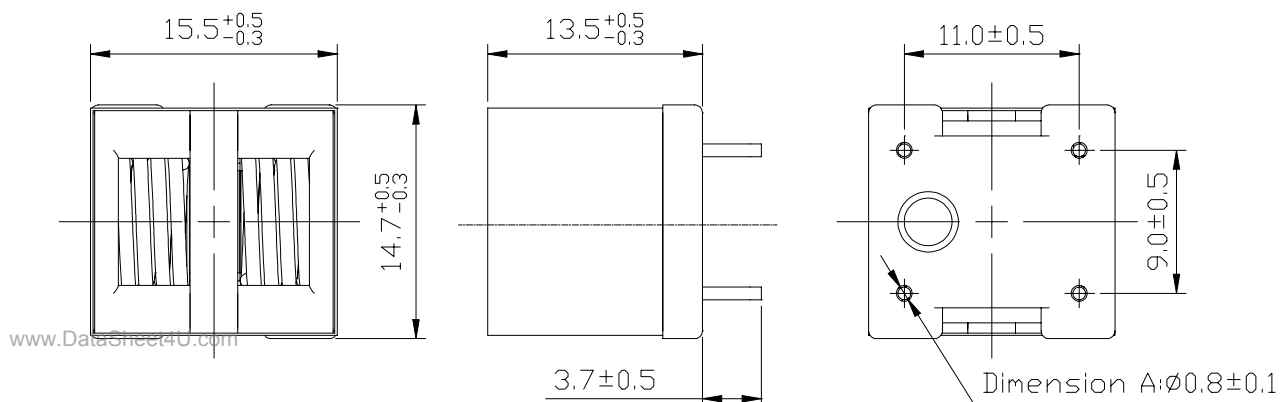
- 16.0 × 15.2mm Max.(L × W), 14.0mm Max. Height.
- Inductance Range: 5.0 ~ 30 μ H
- Rated current range: 2.8 ~ 9.5A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.



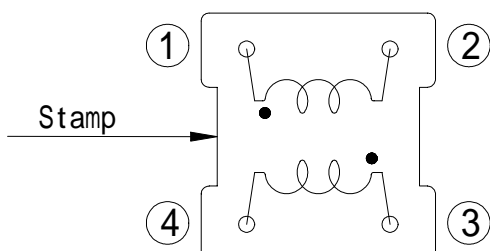
Feature

- Mn-Zn core used , High DC saturation current. High efficiency, Low heat generation.
- L.P.F coils for Digital Amplifier in car audio, home theater and large LCD, etc.
- RoHS Compliance

Dimensions (mm)



Schematics (Bottom)




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Specification

| Part Name | Stamp | Inductance [Within] (μ H) (at 100kHz) | | D.C.R. (m Ω) Max. [TYP] (at 20 $^{\circ}$ C) | | Saturation Current (A) 1 | | Temperature Rise Current (A) 2 |
|-----------------|-------|--|------------------|--|------------------|----------------------------------|--------|--|
| | | (1-2) Between | (3-4) Between | (1-2) Between | (3-4) Between | at 20 | at 105 | |
| DEPI1615NP-5R0N | 5R0N | 5 \pm 30% | 5 \pm 30% | 7.7(5.9) | 7.7(5.9) | 13 | 10 | 9.5 |
| DEPI1615NP-100N | 100N | 10 \pm 30% | 10 \pm 30% | 10(7.6) | 10(7.6) | 9.6 | 7.6 | 8.0 |
| DEPI1615NP-150N | 150N | 15 \pm 30% | 15 \pm 30% | 10(7.6) | 10(7.6) | 6.5 | 5.0 | 8.0 |
| DEPI1615NP-220N | 220N | 22 \pm 30% | 22 \pm 30% | 10(7.6) | 10(7.6) | 4.2 | 3.2 | 8.0 |
| DEPI1615NP-300N | 300N | 30 \pm 30% | 30 \pm 30% | 10(7.6) | 10(7.6) | 2.8 | 2.1 | 8.0 |

1. Saturation current: The DC current at which the inductance decreases to 75% of it's nominal value.
2. Temperature rise current: The DC current at which the temperature rise is $t = 40$ $^{\circ}$ C. (Ta = 20 $^{\circ}$ C).