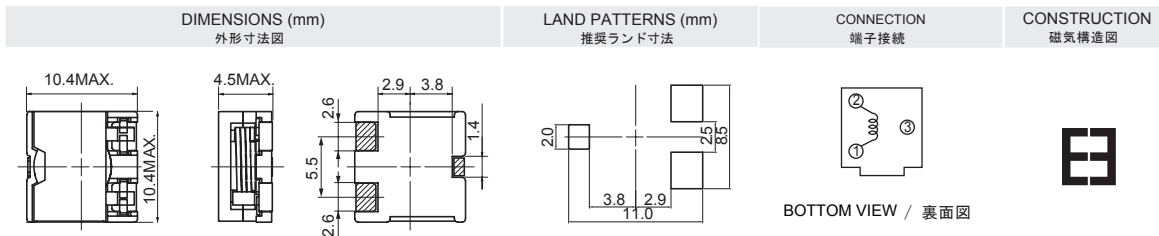


**SHIELDED TYPE / 開磁路タイプ**
**CDEP104**
**OUTLINE / 概要**

By using the square wire, power inductors can be used for large currents with low profile and low resistance.  
 平角線を使用する事により、薄形・低抵抗で大電流対応を実現しました。

**CDEP104**


( 0.22μH - 4.3μH )



BOTTOM VIEW / 裏面図

| Parts No. | L (H) | CDEP104 (Low D.C.R Type)  |                                    |      |                                           | CDEP104 (Standard Type)   |                                    |      |                                           |
|-----------|-------|---------------------------|------------------------------------|------|-------------------------------------------|---------------------------|------------------------------------|------|-------------------------------------------|
|           |       | D.C.R.(Ω) :<br>Max.(Typ.) | Saturation Rated<br>Current (A) *E |      | Temperature Rise<br>Current (Typ.)(A) *IV | D.C.R.(Ω) :<br>Max.(Typ.) | Saturation Rated<br>Current (A) *E |      | Temperature Rise<br>Current (Typ.)(A) *IV |
|           |       |                           | 20℃                                | 100℃ |                                           |                           | 20℃                                | 100℃ |                                           |
| 0R2       | 0.22μ |                           |                                    |      |                                           | 2.2m( 1.8m)               | 39.6                               | 31.6 | 18.0                                      |
| 0R3       | 0.36μ | 2.2m( 1.8m)               | 24.2                               | 20.8 | 18.0                                      |                           |                                    |      |                                           |
| 0R4       | 0.45μ |                           |                                    |      |                                           | 3.7m( 3.1m)               | 27.6                               | 22.1 | 13.4                                      |
| 0R8       | 0.8μ  | 3.7m( 3.1m)               | 16.2                               | 14.0 | 13.4                                      | 5.9m( 4.9m)               | 20.7                               | 16.6 | 10.2                                      |
| 1R3       | 1.3μ  |                           |                                    |      |                                           | 11.8m( 9.8m)              | 16.6                               | 13.3 | 7.3                                       |
| 1R4       | 1.4μ  | 5.9m( 4.9m)               | 12.2                               | 10.5 | 10.2                                      |                           |                                    |      |                                           |
| 1R8       | 1.8μ  |                           |                                    |      |                                           | 18.6m(15.5m)              | 13.3                               | 10.7 | 5.4                                       |
| 2R2       | 2.2μ  | 11.8m( 9.8m)              | 9.8                                | 8.6  | 7.3                                       |                           |                                    |      |                                           |
| 2R5       | 2.5μ  |                           |                                    |      |                                           | 21.8m(18.2m)              | 11.8                               | 9.5  | 5.0                                       |
| 3R2       | 3.2μ  | 18.6m(15.5m)              | 8.1                                | 7.0  | 5.4                                       |                           |                                    |      |                                           |
| 4R3       | 4.3μ  | 21.8m(18.2m)              | 7.0                                | 6.0  | 5.0                                       |                           |                                    |      |                                           |

Measuring Freq. (L) / インダクタンス測定周波数(L)

 CDEP104(L) 100kHz  
 CDEP104(S) 100kHz

Tolerance of Inductance / インダクタンス公差

 CDEP104(L) 0.36 μH ± 30% (N), 0.8 μH ± 20% (M)  
 CDEP104(S) 0.22 μH ± 30% (N), 0.45 μH ± 20% (M)

Ordering Code / 品名表記法

CDEP104 - △△△△×-□□

|               |                             |                  |                      |
|---------------|-----------------------------|------------------|----------------------|
| △ : Parts No. | ○ : Tolerance of inductance | × : Packing      | □ :                  |
|               | M (20%)                     | C (Carrier tape) | 88 (Low D.C.R. type) |
|               | N (30%)                     | B (Box)          | 50 (Standard type)   |

Other / その他

- \*E Saturation Rated Current : The current either the inductance value becomes 35% (tolerance± 30%) lower than its nominal value or becomes 25% (tolerance± 20%) lower than its nominal value. (Ta=20℃)
- \*E 直流重畳許容電流: 直流重畳許容電流を流した時、インダクタンスが公称インダクタンスの65%以上(インダクタンスの公差が±30%時)、又は75%以上(インダクタンスの公差が±20%時)となる( Ta=20℃)
- \*IV Temperature Rise Current (Typ.) : The actual current when temperature of coil becomes ΔT=40℃. (Ta=20℃)
- \*IV 温度上昇実力電流: 直流電流を流した時、コイルの温度上昇がΔT=40℃となる電流の実力値とする。(Ta=20℃)

About Lead-free products / 無鉛製品について

- Lead-free products are now available for sale
  - To order a lead-free product, please add "NP" after the product type:
  - 無鉛製品は現在、販売されております。
  - ご注文の際は製品タイプ名の後に " NP " をつけてください。
- e.g. Ordering code of lead product: Type name-△△△×  
 Ordering code of lead-free product: Type name NP△△△×