

SHIELDED TYPE / 開磁路タイプ
CDRH6D38
OUTLINE / 概要

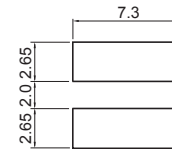
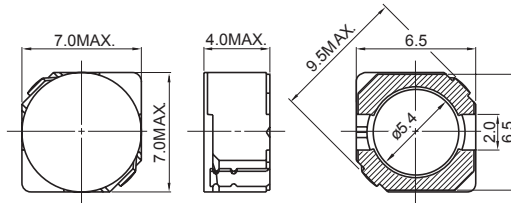
SMD type power inductors where the electrode is attached to the ferrite core directly. They are also magnetically shielded to prevent noise radiation.

特殊処理の電極をコアに直接取り付け付けた面実装パワーインダクタです。外部輻射を考慮した閉時タイプです。

CDRH6D38

 DIMENSIONS (mm)
外形寸法図

 LAND PATTERNS (mm)
推奨ランド寸法

 CONSTRUCTION
磁気構造図


| Parts No. | L (H) | CDRH6D38 | |
|-----------|-------|---------------------------|--|
| | | D.C.R.(Ω) : Max.(Typ.) | Temperature Rise Rated Current (A) * 4 |
| 1R0 | 1.0μ | | |
| 1R5 | 1.5μ | | |
| 2R2 | 2.2μ | | |
| 2R6 | 2.6μ | | |
| 2R9 | 2.9μ | | |
| 3R0 | 3.0μ | | |
| 3R3 | 3.3μ | 20m(15m) | 3.50 |
| 3R6 | 3.6μ | | |
| 3R9 | 3.9μ | | |
| 4R2 | 4.2μ | | |
| 5R0 | 5.0μ | 24m(18m) | 2.90 |
| 5R6 | 5.6μ | | |
| 6R0 | 6.0μ | | |
| 6R2 | 6.2μ | 27m(20m) | 2.50 |
| 6R4 | 6.4μ | | |
| 6R8 | 6.8μ | | |
| 7R3 | 7.3μ | | |
| 7R4 | 7.4μ | 31m(23m) | 2.30 |
| 8R0 | 8.0μ | | |
| 8R6 | 8.6μ | | |
| 8R7 | 8.7μ | 34m(25m) | 2.20 |
| 100 | 10μ | 38m(28m) | 2.00 |
| 120 | 12μ | 53m(39m) | 1.70 |
| 150 | 15μ | 57m(42m) | 1.60 |
| 180 | 18μ | 92m(68m) | 1.50 |
| 220 | 22μ | 96m(71m) | 1.30 |
| 270 | 27μ | 109m(81m) | 1.20 |
| 330 | 33μ | 124m(92m) | 1.10 |
| 390 | 39μ | 138m(102m) | 1.00 |
| 470 | 47μ | 155m(115m) | 950m |
| 560 | 56μ | 202m(150m) | 850m |
| 680 | 68μ | 234m(173m) | 750m |
| 820 | 82μ | 324m(240m) | 700m |
| 101 | 100μ | 358m(265m) | 650m |

Measuring Freq. (L) / インダクタンス測定周波数 (L)

CDRH6D38 10 kHz

Tolerance of Inductance / インダクタンス公差

CDRH6D38 3.3μH - 100μH ± 30%(N)

Rated Current / 定格電流とは

*4 It is either the inductance is 35% lower than its nominal value in D.C. saturation characteristics or temperature rise becomes $\Delta T=30^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.

*4 直流重量特性において、定格電流を流した時、インダクタンスが公称インダクタンスの65%以上となる電流値もしくは、コイルの発熱が $\Delta T=30^{\circ}\text{C}$ 以下となる電流のどちらか少ない方の値とする。
($T_a=20^{\circ}\text{C}$)

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- $\Delta\Delta\Delta\Delta\times$

Ordering code of lead-free product: Type name NP $\Delta\Delta\Delta\Delta\times$