

CDH2D09B



(2.4μH - 22μH)

| DIMENSIONS (mm) 外形寸法図 | LAND PATTERNS (mm) 推奨ランド寸法 | WIRE 線種 |
|--------------------------|-------------------------------|----------------------------------------------|
| | | CONSTRUCTION 磁気構造図 I |

CDH5D14/S



(0.72μH - 100μH)

| DIMENSIONS (mm) 外形寸法図 | LAND PATTERNS (mm) 推奨ランド寸法 | WIRE 線種 |
|--------------------------|-------------------------------|----------------------------------------------|
| | | CONSTRUCTION 磁気構造図 I |

CDH5D09



(3.9μH - 18μH)

PROVISIONAL

| DIMENSIONS (mm) 外形寸法図 | LAND PATTERNS (mm) 推奨ランド寸法 | WIRE 線種 |
|--------------------------|-------------------------------|----------------------------------------------|
| | | CONSTRUCTION 磁気構造図 I |

CDH8D14



(1.2μH - 22μH)

PROVISIONAL

| DIMENSIONS (mm) 外形寸法図 | LAND PATTERNS (mm) 推奨ランド寸法 | WIRE 線種 |
|--------------------------|-------------------------------|----------------------------------------------|
| | | CONSTRUCTION 磁気構造図 I |

CDH8D14/HP

NEW



(1.2μH - 22μH)

PROVISIONAL

| DIMENSIONS (mm) 外形寸法図 | LAND PATTERNS (mm) 推奨ランド寸法 | WIRE 線種 |
|--------------------------|-------------------------------|----------------------------------------------|
| | | CONSTRUCTION 磁気構造図 I |

* 'S' indicates Dropping Impact Reinforced type inductors. All except for these are normal type inductors.
 * /Sは耐落下衝撃強化タイプ、/Sなしは通常タイプのインダクタです。

SMD Non-Shielded Type

TYPE : CDH2D09B, CDH5D14/S

| Parts No. | L (H) | CDH2D09B | | | CDH5D14/S | | |
|-----------|-------|------------------------|---------------------------|---------------------------------|------------------------|---------------------------|---------------------------------|
| | | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *A | Temperature Rise Current (A) *C | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *A | Temperature Rise Current (A) *C |
| R72 | 0.72μ | | | | 21.6m(18m) | 3.90 | 4.10 |
| 1R1 | 1.1μ | | | | 27.6m(23m) | 3.20 | 3.80 |
| 1R6 | 1.6μ | | | | 34.8m(29m) | 2.65 | 3.60 |
| 2R2 | 2.2μ | | | | 38.4m(32m) | 2.30 | 3.40 |
| 2R4 | 2.4μ | 160m(128m) | 1.00 | 1.18 | | | |
| 2R7 | 2.7μ | | | | 50.4m(42m) | 2.10 | 2.90 |
| 3R3 | 3.3μ | 188m(150m) | 850m | 1.06 | 55.2m(46m) | 1.90 | 2.80 |
| 4R7 | 4.7μ | 273m(218m) | 700m | 850m | 74.4m(62m) | 1.60 | 2.40 |
| 5R9 | 5.9μ | | | | 91.2m(76m) | 1.45 | 2.15 |
| 6R4 | 6.4μ | 400m(320m) | 600m | 640m | | | |
| 7R5 | 7.5μ | | | | 120m(100m) | 1.30 | 1.95 |
| 8R5 | 8.5μ | | | | 132m(110m) | 1.20 | 1.90 |
| 100 | 10μ | 588m(470m) | 480m | 470m | 141.6m(118m) | 1.10 | 1.75 |
| 120 | 12μ | | | | 192m(160m) | 1.00 | 1.27 |
| 150 | 15μ | 956m(765m) | 380m | 390m | 220m(185m) | 900m | 1.22 |
| 180 | 18μ | | | | 288m(240m) | 800m | 1.08 |
| 220 | 22μ | 1.31(1.05) | 310m | 340m | 330m(275m) | 720m | 1.03 |
| 270 | 27μ | | | | 384m(320m) | 640m | 930m |
| 330 | 33μ | | | | 492m(410m) | 600m | 780m |
| 390 | 39μ | | | | 570m(475m) | 560m | 740m |
| 470 | 47μ | | | | 762m(635m) | 480m | 580m |
| 560 | 56μ | | | | 888m(740m) | 430m | 560m |
| 680 | 68μ | | | | 990m(825m) | 400m | 540m |
| 820 | 82μ | | | | 1.18(980m) | 360m | 460m |
| 101 | 100μ | | | | 1.36(1.13) | 320m | 440m |

Measuring Freq. (L) / インダクタンス測定周波数 (L)
 CDH2D09B 100kHz
 CDH5D14/S 100kHz

Tolerance of Inductance / インダクタンス公差
 CDH2D09B 2.4μH - 22μH ± 20% (M)
 CDH5D14/S 0.72μH - 100μH ± 20% (M)

TYPE : CDH5D09, CDH8D14, CDH8D14/HP

| Parts No. | L (H) | CDH5D09 | | | CDH8D14 | | | CDH8D14/HP | | | | |
|-----------|-------|------------------------|---------------------------|---------------------------------|------------------------|---------------------------|--------|---------------------------------|------------------------|---------------------------|--------|---------------------------------|
| | | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *A | Temperature Rise Current (A) *C | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *B | | Temperature Rise Current (A) *C | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *B | | Temperature Rise Current (A) *C |
| | | | | | | 20 °C | 105 °C | | | 20 °C | 100 °C | |
| 1R2 | 1.2μ | | | | 25m(20m) | 5.5 | 4.7 | 5.5 | 32m(25m) | 6.8 | 5.6 | 4.0 |
| 1R8 | 1.8μ | | | | 36m(28m) | 4.3 | 3.6 | 4.0 | 42m(33m) | 5.4 | 4.4 | 3.2 |
| 2R4 | 2.4μ | | | | 43m(34m) | 3.8 | 3.2 | 3.4 | 46m(37m) | 4.7 | 3.9 | 2.9 |
| 3R6 | 3.6μ | | | | 59m(47m) | 3.2 | 2.7 | 2.7 | 74m(59m) | 3.9 | 3.2 | 2.3 |
| 3R9 | 3.9μ | 160m(130m) | 1.48 | 1.64 | | | | | | | | |
| 4R7 | 4.7μ | 170m(140m) | 1.34 | 1.56 | 72m(57m) | 2.8 | 2.3 | 2.5 | | | | |
| 5R1 | 5.1μ | | | | | | | | 88m(70m) | 3.3 | 2.7 | 2.1 |
| 5R6 | 5.6μ | 220m(180m) | 1.10 | 1.37 | | | | | | | | |
| 6R2 | 6.2μ | | | | 86m(69m) | 2.4 | 2.0 | 2.3 | 119m(95m) | 2.9 | 2.4 | 1.7 |
| 6R8 | 6.8μ | 240m(200m) | 1.12 | 1.28 | | | | | | | | |
| 100 | 10μ | 320m(270m) | 960m | 1.10 | 130m(103m) | 1.90 | 1.60 | 1.80 | 182m(145m) | 2.35 | 1.95 | 1.35 |
| 120 | 12μ | 480m(400m) | 960m | 900m | | | | | | | | |
| 150 | 15μ | 560m(470m) | 670m | 880m | 204m(162m) | 1.55 | 1.30 | 1.35 | 240m(192m) | 1.95 | 1.60 | 1.20 |
| 180 | 18μ | 710m(590m) | 620m | 740m | | | | | | | | |
| 220 | 22μ | | | | 284m(226m) | 1.25 | 1.05 | 1.15 | 400m(320m) | 1.55 | 1.30 | 900m |

Measuring Freq. (L) / インダクタンス測定周波数 (L)
 CDH5D09 100kHz
 CDH8D14 100kHz, 1V
 CDH8D14/HP

Tolerance of Inductance / インダクタンス公差
 CDH5D09 3.9μH - 18μH ± 20% (M)
 CDH8D14 1.2μH - 22μH ± 20% (M)
 CDH8D14/HP 1.2μH - 22μH ± 20% (M)

Other / その他

- *A Saturation Current : This indicates the value of D.C. current when the inductance decreases to 70% of its nominal value.
- *B Saturation Current : This indicates the value of D.C. current when the inductance decreases to 65% of its nominal value.
- *C Temperature Rise Current : The actual current when temperature of coil becomes ΔT=40°C. (Ta=20°C)
- *A 直流量許容電流 : 直流電流を流した時、インダクタンスが公称値の70%以上となる電流値とする。
- *B 直流量許容電流 : 直流電流を流した時、インダクタンスが公称値の65%以上となる電流値とする。
- *C 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°Cとなる電流の実力値とする。(Ta=20°C)

About CDH5D09, CDH8D14, CDH8D14/HP / CDH5D09, CDH8D14, CDH8D14/HP について

*This specification might be changed without notice due to under developing and improving.
 Please contact us for our mass production schedule. Thank you for your understanding.
 *本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。
 量産時期についてはお問合せ下さい。

・ To order a product, please add " NP " after the product type
 e.g. Ordering code : Type name NP △△△×

・ ご注文の際は製品タイプ名の後に " NP " を付けて下さい。

Ordering Code / 品名表記法

CDH2D09BNP - △△△×

△ : Parts No. ○ : Tolerance of inductance M (20%) × : Packing C (Carrier tape) B (Box)