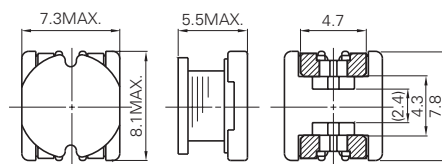


## CR75

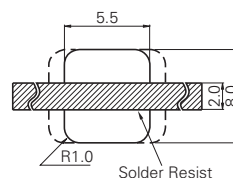


( 1.2 $\mu$ H - 470 $\mu$ H )



### LAND PATTERNS (mm)

推奨ランド寸法



\* In order to prevent short-circuiting, a solder resist is recommended.  
\* ショート防止の為、ソルダレジスト推奨

### CONSTRUCTION

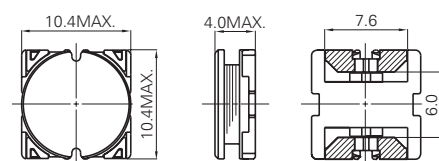
磁気構造図



## CR10D37

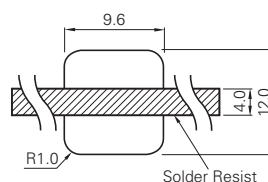


( 2.7 $\mu$ H - 680 $\mu$ H )



### LAND PATTERNS (mm)

推奨ランド寸法



\* In order to prevent short-circuiting, a solder resist is recommended.  
\* ショート防止の為、ソルダレジスト推奨

### CONSTRUCTION

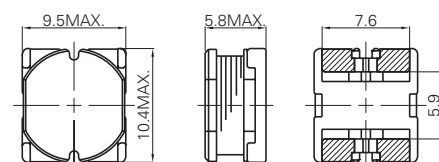
磁気構造図



## CR105

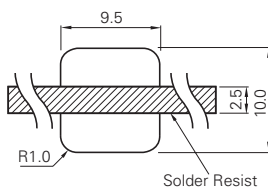


( 1.8 $\mu$ H - 820 $\mu$ H )



### LAND PATTERNS (mm)

推奨ランド寸法



\* In order to prevent short-circuiting, a solder resist is recommended.  
\* ショート防止の為、ソルダレジスト推奨

### CONSTRUCTION

磁気構造図



## TYPE : CR75, CR10D37, CR105

| Parts No. | L (H) | CR75             |                      | CR10D37          |                                 |                                       | CR105            |                      |
|-----------|-------|------------------|----------------------|------------------|---------------------------------|---------------------------------------|------------------|----------------------|
|           |       | D.C.R.(Ω) : Max. | Rated Current (A) *1 | D.C.R.(Ω) : Max. | Saturation Rated Current (A) *A | Temperature Rise Rated Current (A) *I | D.C.R.(Ω) : Max. | Rated Current (A) *1 |
| 1R2       | 1.2μ  | 15.6m            | 6.0                  |                  |                                 |                                       |                  |                      |
| 1R5       | 1.5μ  | 17.0m            | 5.5                  |                  |                                 |                                       |                  |                      |
| 1R8       | 1.8μ  |                  |                      |                  |                                 |                                       | 13.0m(10.0m)     | 6.0                  |
| 2R2       | 2.2μ  | 19.5m            | 4.5                  |                  |                                 |                                       |                  |                      |
| 2R5       | 2.5μ  |                  |                      |                  |                                 |                                       | 15.6m(12.0m)     | 5.5                  |
| 2R7       | 2.7μ  | 22.1m            | 4.2                  | 34.5m            | 5.70                            | 2.65                                  |                  |                      |
| 3R3       | 3.3μ  | 24.7m            | 3.7                  |                  |                                 |                                       | 18.2m(14.0m)     | 5.0                  |
| 3R8       | 3.8μ  |                  |                      | 39.3m            | 4.30                            | 2.56                                  |                  |                      |
| 3R9       | 3.9μ  | 27.3m            | 3.5                  |                  |                                 |                                       |                  |                      |
| 4R2       | 4.2μ  |                  |                      |                  |                                 |                                       | 20.8m(16.0m)     | 4.5                  |
| 4R7       | 4.7μ  | 30.0m            | 3.1                  |                  |                                 |                                       |                  |                      |
| 5R0       | 5.0μ  |                  |                      | 48.0m            | 4.00                            | 2.44                                  |                  |                      |
| 5R1       | 5.1μ  |                  |                      |                  |                                 |                                       | 23.4m(18.0m)     | 4.0                  |
| 5R6       | 5.6μ  | 32.5m            | 2.8                  |                  |                                 |                                       |                  |                      |
| 6R3       | 6.3μ  |                  |                      | 52.8m            | 3.60                            | 2.30                                  | 26.0m(20.0m)     | 3.6                  |
| 6R8       | 6.8μ  | 36.4m            | 2.7                  |                  |                                 |                                       |                  |                      |
| 7R5       | 7.5μ  |                  |                      |                  |                                 |                                       | 28.6m(22.0m)     | 3.3                  |
| 8R0       | 8.0μ  |                  |                      | 62.4m            | 3.28                            | 2.20                                  |                  |                      |
| 8R2       | 8.2μ  | 41.6m            | 2.5                  |                  |                                 |                                       |                  |                      |
| 8R6       | 8.6μ  |                  |                      |                  |                                 |                                       | 32.5m(25.0m)     | 3.0                  |
| 100       | 10μ   | 70m              | 2.3                  | 67.8m            | 3.04                            | 2.02                                  | 60m              | 2.6                  |
| 120       | 12μ   | 80m              | 2.0                  | 76.4m            | 2.64                            | 1.82                                  | 70m              | 2.45                 |
| 150       | 15μ   | 90m              | 1.8                  | 87.0m            | 2.36                            | 1.72                                  | 80m              | 2.27                 |
| 180       | 18μ   | 100m             | 1.6                  | 97.0m            | 2.20                            | 1.66                                  | 90m              | 2.15                 |
| 220       | 22μ   | 110m             | 1.5                  | 108.0m           | 1.95                            | 1.64                                  | 100m             | 1.95                 |
| 270       | 27μ   | 120m             | 1.3                  | 123.5m           | 1.80                            | 1.50                                  | 110m             | 1.76                 |
| 330       | 33μ   | 130m             | 1.2                  | 139.0m           | 1.62                            | 1.46                                  | 120m             | 1.50                 |
| 390       | 39μ   | 160m             | 1.1                  | 163.8m           | 1.48                            | 1.40                                  | 140m             | 1.37                 |
| 470       | 47μ   | 180m             | 1.1                  | 168.8m           | 1.30                            | 1.38                                  | 170m             | 1.28                 |
| 560       | 56μ   | 240m             | 940m                 | 211.3m           | 1.20                            | 1.35                                  | 190m             | 1.17                 |
| 680       | 68μ   | 280m             | 850m                 | 242.5m           | 1.10                            | 1.18                                  | 220m             | 1.11                 |
| 820       | 82μ   | 370m             | 780m                 | 282.5m           | 960m                            | 1.12                                  | 250m             | 1.00                 |
| 101       | 100μ  | 430m             | 720m                 | 370.0m           | 900m                            | 960m                                  | 350m             | 970m                 |
| 121       | 120μ  | 470m             | 660m                 | 483.8m           | 750m                            | 830m                                  | 400m             | 890m                 |
| 151       | 150μ  | 640m             | 580m                 | 627.0m           | 740m                            | 810m                                  | 470m             | 780m                 |
| 181       | 180μ  | 710m             | 510m                 | 693.0m           | 700m                            | 620m                                  | 630m             | 720m                 |
| 221       | 220μ  | 960m             | 490m                 | 861.5m           | 580m                            | 520m                                  | 730m             | 660m                 |
| 271       | 270μ  | 1.11             | 420m                 | 1.02             | 530m                            | 460m                                  | 970m             | 570m                 |
| 331       | 330μ  | 1.26             | 400m                 | 1.28             | 500m                            | 380m                                  | 1.15             | 520m                 |
| 391       | 390μ  | 1.77             | 360m                 | 1.50             | 480m                            | 370m                                  | 1.30             | 480m                 |
| 471       | 470μ  | 1.96             | 340m                 | 1.94             | 410m                            | 360m                                  | 1.48             | 420m                 |
| 561       |       |                  |                      | 2.20             | 390m                            | 350m                                  | 1.90             | 330m                 |
| 681       |       |                  |                      | 2.55             | 350m                            | 330m                                  | 2.25             | 280m                 |
| 821       |       |                  |                      |                  |                                 |                                       | 2.55             | 240m                 |

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

CR75 1.2μH – 8.2μH (7.96MHz), 10μH – 82μH (2.52MHz), 100μH – 470μH (1kHz)

CR10D37 2.7μH – 10μH (7.96MHz), 12μH – 680μH (1kHz)

CR105 1.8μH – 8.6μH (7.96MHz), 10μH – 82μH (2.52MHz), 100μH – 820μH (1kHz)

Tolerance of Inductance / インダクタンス公差

CR75 1.2μH – 8.2μH ± 20% (M), 10μH – 470μH ± 10% (K)

CR10D37 2.7μH – 39μH ± 20% (M), 47μH – 680μH ± 10% (K)

CR105 1.8μH – 39μH ± 20% (M), 47μH – 820μH ± 10% (K)

Rated Current / 定格電流とは

\*1 It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature rise becomes ΔT=40 °C (Ta=20 °C), whichever is lower.

\*1 直流重畳特性において、定格電流を流した時、インダクタンスが初期値の90%以上となる電流値もしくは、コイルの発熱が、ΔT=40℃以下となる電流のどちらか少ない方の値とする。(Ta=20℃)

Other / その他

\*A Saturation Rated Current : The current when the inductance becomes 10% lower than its initial value. (Ta=20 °C)

\*A 直流重畳許容電流:直流重畳許容電流を流した時、インダクタンスが初期値の90%以上となる電流値とする。(Ta=20℃)

\*I Temperature Rise Rated Current : The current when temperature of coil increases up to Max.ΔT=40 c. (Ta=20 °C)

\*I 温度上昇許容電流:直流電流を流した時、コイルの温度上昇がΔT=40℃以下となる電流値とする。(Ta=20℃)

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