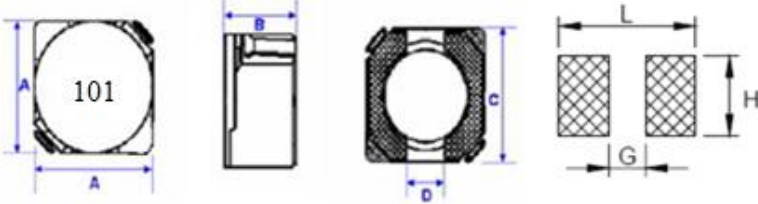
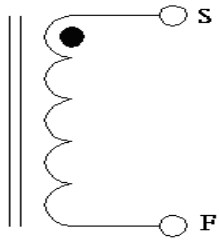


SPECIFICATION FOR APPROVAL

| | | |
|--|--|--|
| CUSTOMER: | | DATE: |
| PART NO: SCI4D18-101M | | DWG.NO: DL2319327 |
| CUSTOMER PART NO: | | CUST.DWG.NO: |
| (1) DIMENSION(UNIT: mm)  | | A 5.0 (MAX) m/m |
| | | B 2.0 (MAX) m/m |
| | | C 4.5 (REF) m/m |
| | | D 1.6 (REF) m/m |
| | | E m/m |
| | | G 1.5 (REF) m/m |
| | | H 5.3 (REF) m/m |
| | | L 5.3 (REF) m/m |
| | | (2)ELECTRICAL REQUIREMENTS |
| L (uH) | 100 ± 20% |  |
| RDC (Ω) | 2.0 (MAX) | |
| IDC (A) | 0.3 (MAX) | |
| TEST CONDITION | 100KHZ / 0.1 V | |
| (4)MATERIAL LIST | | |
| NO/ITEM | MATERIAL | SUPPLIER |
| CORE | DR4.6×1.7 D3 B1.6 F0.3 RI4.7×1.45×3.85 或同等級 | 昱欣 |
| WIRE TYPE | 2UEW φ 0.08m/m 或同等級 | 上海中馬 |
| WINDING | 49.5 TS (REF) | |
| BASE | C-4D18-A 或同等級 | 碩誠 |
| | | APPROVED BY 吳載敏 |
| | | CHECKED BY 張明德 |
| | | DRAWN BY Vicky |

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TEST DATA

| CUSTOMER: | | | | DATE: | | | |
|---|--------------|--------------|--------------|-----------------------|--------------|--|--|
| PART NO: SCI4D18-101M | | | | DWG.NO: DL2319327 | | | |
| CUSTOMER PART NO : | | | | CUST.DWG.NO : | | | |
| TEST CONDITION: 100KHZ / 0.1 V | | | | DIMENSION (UNIT : mm) | | | |
| ITEM | L (uH) | RDC (Ω) | IDC (A) | A | B | | |
| SPEC | 100 ± 20% | 2.0 (MAX) | 0.3 (MAX) | 5.0 (MAX) | 2.0 (MAX) | | |
| 1 | 96.5 | 1.54 | OK | 4.86 | 1.80 | | |
| 2 | 98.6 | 1.46 | OK | 4.94 | 1.77 | | |
| 3 | 98.6 | 1.48 | OK | 4.91 | 1.80 | | |
| 4 | 95.6 | 1.57 | OK | 4.90 | 1.82 | | |
| 5 | 96.3 | 1.51 | OK | 4.91 | 1.81 | | |
| 6 | 93.8 | 1.45 | OK | 4.91 | 1.70 | | |
| 7 | 97.6 | 1.46 | OK | 4.87 | 1.83 | | |
| 8 | 98.3 | 1.48 | OK | 4.90 | 1.81 | | |
| 9 | 98.6 | 1.58 | OK | 4.91 | 1.81 | | |
| 10 | 96.5 | 1.53 | OK | 4.87 | 1.84 | | |
| \bar{X} | 97.0 | 1.51 | | 4.90 | 1.80 | | |
| R | 4.8 | 0.13 | | 0.08 | 0.14 | | |
| TEST INSTRUMENTS HIOKI3532-50 LCR METER VR-131 RDC METER VR116+VR7220 BA/S CURRENT | | | | APPROVED BY 吳載敏 | | | |
| | | | | CHECKED BY 張明德 | | | |
| | | | | DRAWN BY Vicky | | | |

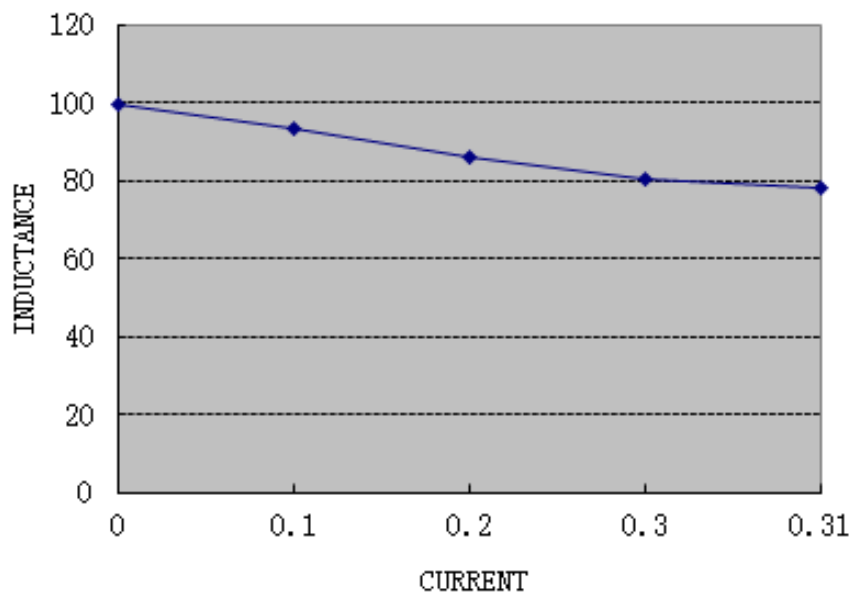
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INDUCTANCE VS CURRENT

| | |
|-----------------------|-------------------|
| CUSTOMER: | DATE: |
| PART NO: SCI4D18-101M | DWG.NO: DL2319327 |
| CUSTOMER PART NO : | CUST.DWG.NO : |

| CURRENT VS INDUCTANCE | | | | | |
|-----------------------|----------------|--|--|--|--|
| IDC(A) | INDUCTANCE(uH) | | | | |
| 0 | 99.7 | | | | |
| 0.10 | 93.5 | | | | |
| 0.20 | 86.0 | | | | |
| 0.30 | 80.1 | | | | |
| 0.31 | 77.9 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



| | | |
|--------------------|-------------------|-------------------|
| APPROVED BY 吳載敏 | CHECKED BY 張明德 | DRAWN BY Vicky |
|--------------------|-------------------|-------------------|

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