

SPECIFICATION FOR APPROVAL

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| COMMODITY | SMD POWER COIL | SPEC NO. | SP-0220704016 |
| ITEM | JRPI 0703FV-100M Green | 版本：A | 表單編號：QR-012-02 |

| (1) DIMENSION: (UNIT: mm) | | DIM. | TOL. | |
|---------------------------|---|------|-------|--|
| | A | 8.40 | ±0.30 | |
| | B | 8.00 | ±0.30 | |
| | C | 2.90 | ±0.20 | |
| | D | 6.20 | ±0.30 | |
| | E | 1.75 | ±0.20 | |
| | F | 3.15 | ±0.25 | |
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| (2) ELECTRICAL CHARACTERISTIC | TEST INSTRUMENTS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------|----------|-----|-----|----------------|-----|--|-----|-----------|-----|--|---|-----|---------------------------|--|----|------|-------------------------|--|---|----------------|------------|--|---|----------------|------------|--|---|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">INDUCTANCE</td> <td style="width: 20%; text-align: center;">10 ± 20%</td> <td style="width: 5%;"></td> <td style="width: 45%; text-align: right;">μ H</td> </tr> <tr> <td>TEST FREQUENCY</td> <td style="text-align: center;">100</td> <td></td> <td style="text-align: right;">KHz</td> </tr> <tr> <td>TEST VOLT</td> <td style="text-align: center;">0.1</td> <td></td> <td style="text-align: right;">V</td> </tr> <tr> <td>RDC</td> <td style="text-align: center;">51.0 (typ.) 56.1 (max)</td> <td></td> <td style="text-align: right;">mΩ</td> </tr> <tr> <td>Isat</td> <td style="text-align: center;">9.0 (typ.) 7.0 (max)</td> <td></td> <td style="text-align: right;">A</td> </tr> <tr> <td>Irms 20°C rise</td> <td style="text-align: center;">2.8 (typ.)</td> <td></td> <td style="text-align: right;">A</td> </tr> <tr> <td>Irms 40°C rise</td> <td style="text-align: center;">5.0 (typ.)</td> <td></td> <td style="text-align: right;">A</td> </tr> </table> | INDUCTANCE | 10 ± 20% | | μ H | TEST FREQUENCY | 100 | | KHz | TEST VOLT | 0.1 | | V | RDC | 51.0 (typ.) 56.1 (max) | | mΩ | Isat | 9.0 (typ.) 7.0 (max) | | A | Irms 20°C rise | 2.8 (typ.) | | A | Irms 40°C rise | 5.0 (typ.) | | A | <input checked="" type="checkbox"/> AGILENT 4294A Precision Impedance Analyzer <input type="checkbox"/> Agilent 4287A RF LCR Meter <input type="checkbox"/> AGILENT 4285A Precision L.C.R. <input type="checkbox"/> HP-4286A RF L.C.R. Meter. <input checked="" type="checkbox"/> CHROMA 3302 Automatic Components Analyzer. <input type="checkbox"/> WAYNE KERR 6420 Precision Impedance Analyzer. <input checked="" type="checkbox"/> ZENTECH 1320 BIAS CURRENT. <input checked="" type="checkbox"/> BK PRECISION 2840 DC Resistance Meter <input type="checkbox"/> ZENTECH 502AC Resistance Merter <input type="checkbox"/> ADEX AX-1155B DC Low Ohm Meter <input type="checkbox"/> WAYNE KERR HI-POT TESTER 7600 |
| INDUCTANCE | 10 ± 20% | | μ H | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST FREQUENCY | 100 | | KHz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST VOLT | 0.1 | | V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RDC | 51.0 (typ.) 56.1 (max) | | mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isat | 9.0 (typ.) 7.0 (max) | | A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irms 20°C rise | 2.8 (typ.) | | A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irms 40°C rise | 5.0 (typ.) | | A | | | | | | | | | | | | | | | | | | | | | | | | | | |

REMARK :

1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Rated operating voltage(across inductor) 40V Ref.
4. Rated DC current: The lower value of Irms and Isat.

| | | | |
|-----------------------|----------|---------|-------|
| PURCHASER CONFIRMED : | APPROVED | CHECKED | DRAWN |
| | | | |



TEL : 886-2-2689-4971 FAX : 886-2-2689-4260

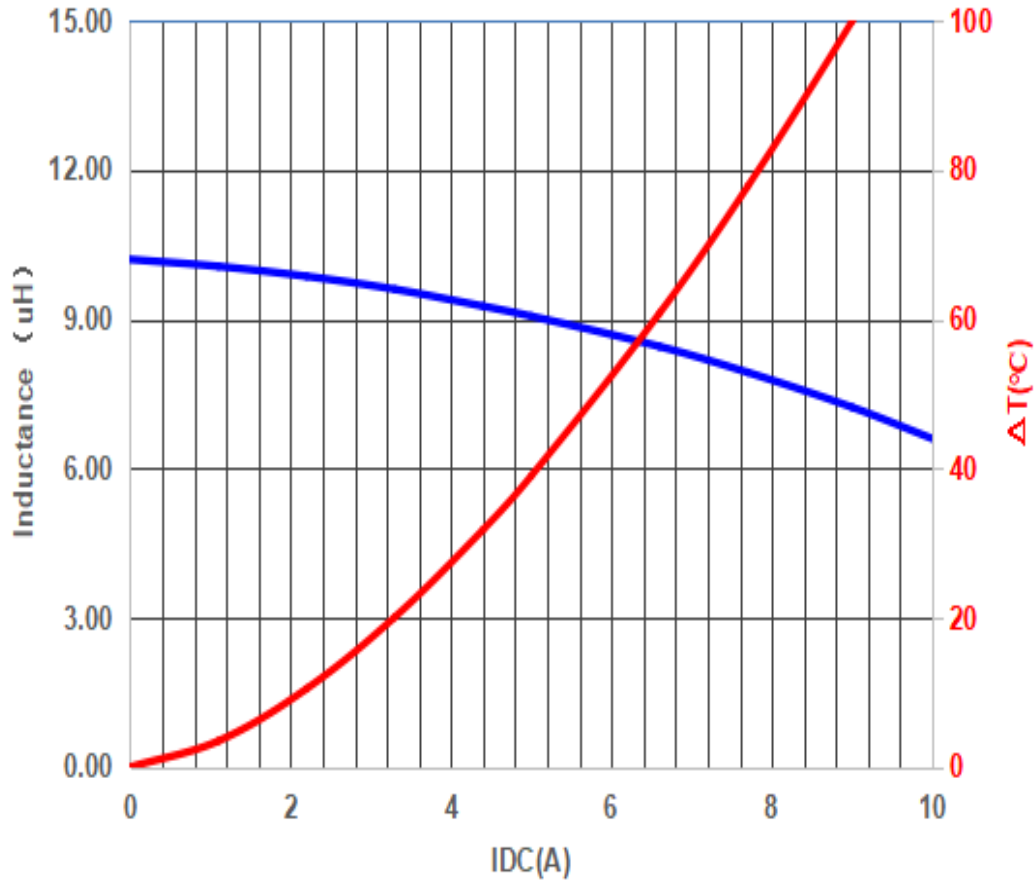
E-mail : jantek@jantek-elec.com.tw

Web-Site : www.jantek-elec.com.tw

TEST REPORT

SPEC NO : SP-0220704016

Typical Performance Curves



Test Instrument :

Chroma 3302 Automatic Components Analyzer
ZENTECH 1320 BIAS CURRENT

Testing Condition :

Temperature : 25 to 28°C
Humidity : 60 to 70 % RH

Check by :

姜秀琴

Test by :

陳秀月



TEL : 886-2-2689-4971 FAX : 886-2-2689-4260
E-mail : jantek@jantek-elec.com.tw
Web-Site : www.jantek-elec.com.tw