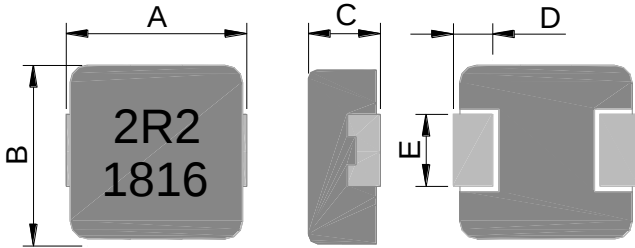


# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0181228014  |
| ITEM      | JRPI 0503M-2R2M <span style="border: 1px solid black; padding: 0 2px;">Green</span> | 版本：A     | 表單編號：QR-012-02 |

| (1) DIMENSION: (UNIT: mm)                                                         |   | DIM. | TOL.  |
|-----------------------------------------------------------------------------------|---|------|-------|
|  | A | 5.7  | ± 0.3 |
|                                                                                   | B | 5.2  | ± 0.2 |
|                                                                                   | C | 2.8  | ± 0.2 |
|                                                                                   | D | 1.1  | ± 0.3 |
|                                                                                   | E | 1.5  | ± 0.2 |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |

| (2) ELECTRICAL CHARACTERISTIC |                              | TEST INSTRUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDUCTANCE                    | 2.2 ± 20% $\mu$ H            | <input type="checkbox"/> AGILENT 4294A Precision Impedance Analyzer.<br><input type="checkbox"/> AGILENT 4285A Precision L.C.R. Meter.<br><input type="checkbox"/> HP-4286A RF L.C.R. Meter.<br><input checked="" type="checkbox"/> ZENTECH 3302 Automatic Components Analyzer.<br><input type="checkbox"/> ZENTECH 101 L.C.R. Meter.<br><input type="checkbox"/> WAYNE KERR 6420 Precision Impedance Analyzer.<br><input checked="" type="checkbox"/> ZENTECH 1320 BIAS CURRENT.<br><input checked="" type="checkbox"/> ZENTECH 502AC Resistance Merter.<br><input type="checkbox"/> ADEX AX-1155B DC Low Ohm Meter. |
| TEST FREQUENCY                | 100 KHz                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| TEST VOLT                     | 1 V                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RDC                           | 25.0 (typ.)<br>35.0 (max) mΩ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isat                          | 9.0 (typ.) A                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Irms                          | 5.5 (typ.) A                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                               |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## REMARK :

1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta t 40^{\circ}\text{C}$ .

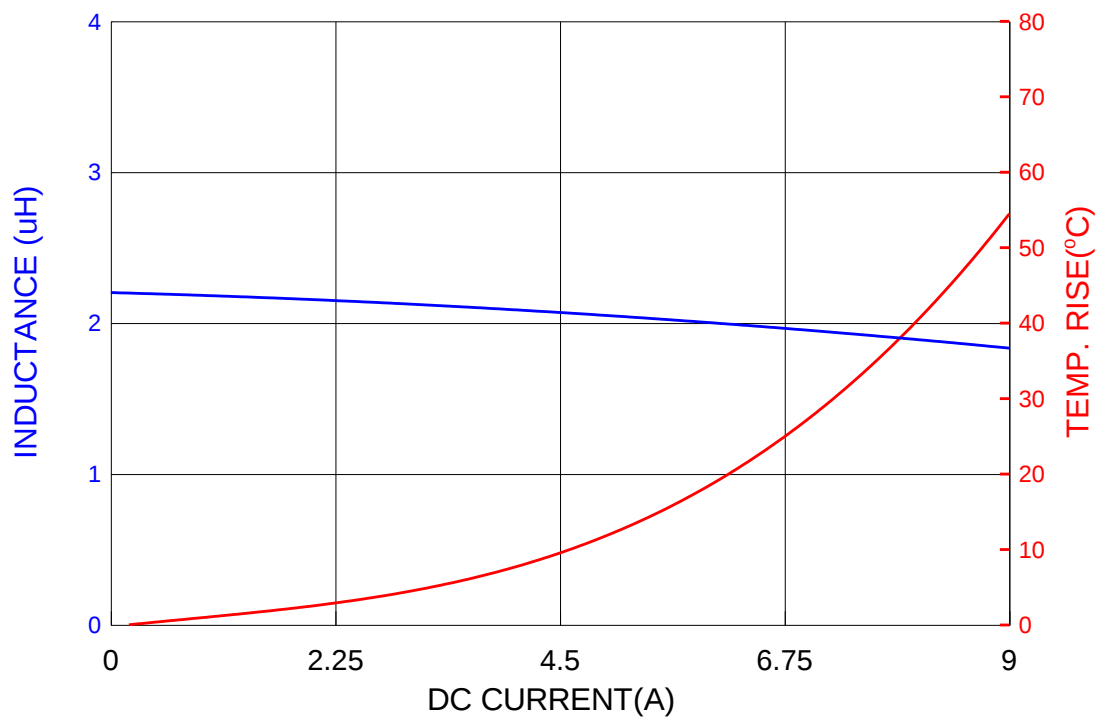
| PURCHASER CONFIRMED | APPROVED                                                                             | CHECKED                                                                               | DRAWN                                                                                 |
|---------------------|------------------------------------------------------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

# TEST REPORT

SPEC NO : SP-0181228014

## Typical Performance Curves

JRPI 0503M-2R2



### Test Instrument :

ZENTECH 3302 Automatic Components Analyzer

ZENTECH 1320 BIAS CURRENT

### Testing Condition :

Temperature : 25 to 28°C

Humidity : 60 to 70 % RH

Check by :



Test by :



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