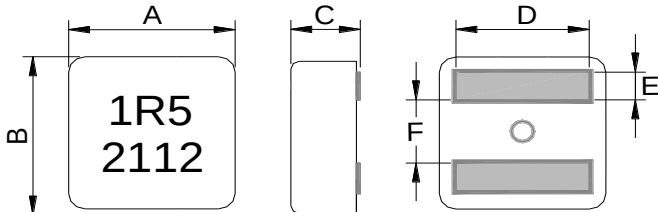


# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0220513017  |
| ITEM      | JRPI 0502F-1R5M <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 | 6.00 | ±0.20 |
|                                                                                   | B | 5.70 | ±0.20 |
|                                                                                   | C | 1.90 | ±0.20 |
|                                                                                   | D | 4.30 | ±0.30 |
|                                                                                   | E | 1.10 | ±0.20 |
|                                                                                   | F | 2.30 | ±0.25 |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |
|                                                                                   |   |      |       |

| (2) ELECTRICAL CHARACTERISTIC |                                      | TEST INSTRUMENTS.                                                               |
|-------------------------------|--------------------------------------|---------------------------------------------------------------------------------|
| INDUCTANCE                    | 1.5 ± 20% $\mu$ H                    | <input checked="" type="checkbox"/> AGILENT 4294A Precision Impedance Analyzer. |
| TEST FREQUENCY                | 100 KHz                              | <input type="checkbox"/> AGILENT 4285A Precision L.C.R. Meter.                  |
|                               |                                      | <input type="checkbox"/> HP-4286A RF L.C.R. Meter.                              |
| TEST VOLT                     | 0.1 V                                | <input checked="" type="checkbox"/> ZENTECH 3302 Automatic Components Analyzer. |
|                               |                                      | <input type="checkbox"/> ZENTECH 101 L.C.R. Meter.                              |
| RDC                           | 16.2 (typ.)<br>18.7 (max) m $\Omega$ | <input type="checkbox"/> WAYNE KERR 6420 Precision Impedance Analyzer.          |
| Isat                          | 13.3 (typ.)<br>11.7 (max) A          | <input checked="" type="checkbox"/> ZENTECH 1320 BIAS CURRENT.                  |
| Irms 20°C rise                | 6.4 (typ.) A                         | <input checked="" type="checkbox"/> ZENTECH 502AC Resistance Merter.            |
| Irms 40°C rise                | 8.8 (typ.) A                         | <input type="checkbox"/> ADEX AX-1155B DC Low Ohm Meter.                        |

## REMARK :

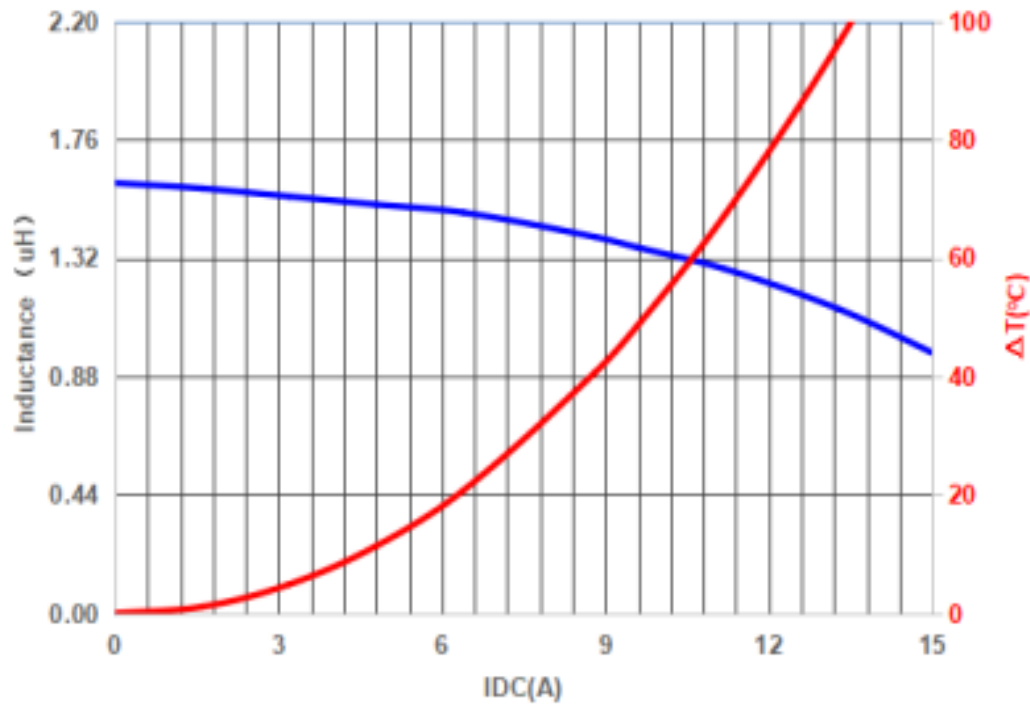
1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Rated operating voltage(across inductor) 40V ref.
4. Rated DC Current : The less value whith is Irms or Isat

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

# TEST REPORT

SPEC NO : SP-0220513017

Typical Performance Curves



Test Instrument :

Chroma 3302 Automatic Components Analyzer  
ZENTECH 1320 BIAS CURRENT

Testing Condition :

Temperature : 25 to 28 $^{\circ}C$   
Humidity : 60 to 70 % RH

Check by :



Test by :



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Web-Site : [www.jantek-elec.com.tw](http://www.jantek-elec.com.tw)