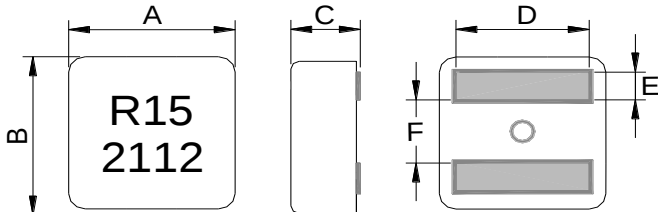


# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0220513018  |
| ITEM      | JRPI 0502F-R15M <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                    | 0.15 ± 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                           | 4.0 (typ.)<br>4.6 (max) m $\Omega$ | <input type="checkbox"/> WAYNE KERR 6420 Precision Impedance Analyzer.          |
| Isat                          | 30 (typ.)<br>27 (max) A            | <input checked="" type="checkbox"/> ZENTECH 1320 BIAS CURRENT.                  |
| Irms 20°C rise                | 13.9 (typ.) A                      | <input checked="" type="checkbox"/> ZENTECH 502AC Resistance Merter.            |
|                               |                                    | <input type="checkbox"/> ADEX AX-1155B DC Low Ohm Meter.                        |
| Irms 40°C rise                | 18.8 (typ.) A                      |                                                                                 |

## REMARK :

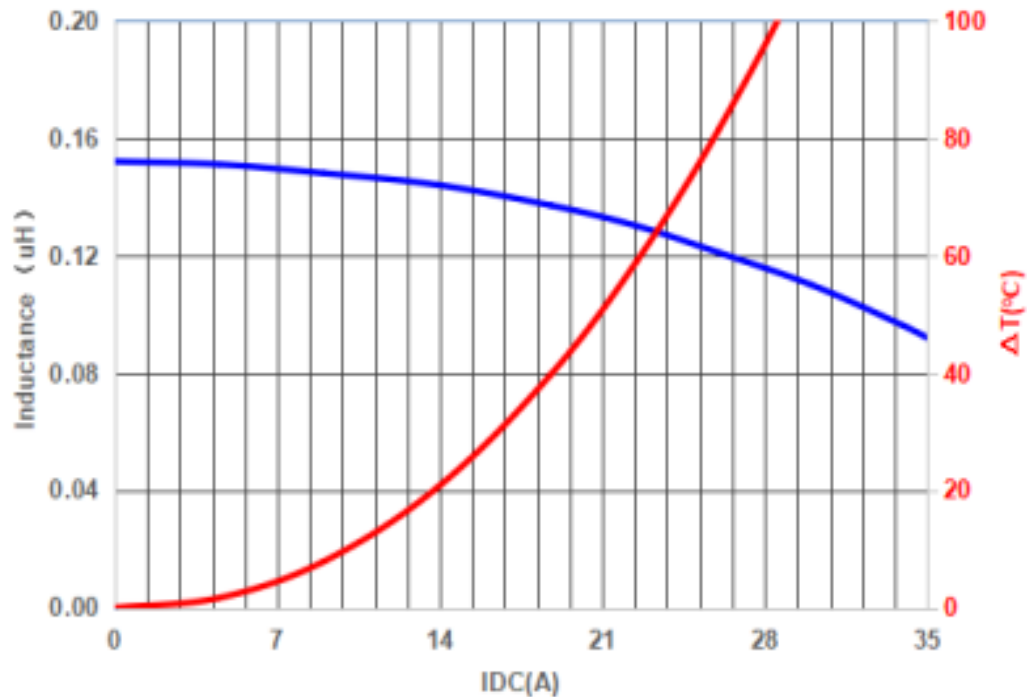
1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Rated operating voltage(across inductor) 40V ref.
4. Rated DC Current : The less value whith is Irms or Isat

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

# TEST REPORT

SPEC NO : SP-0220513018

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 :



Test by :



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