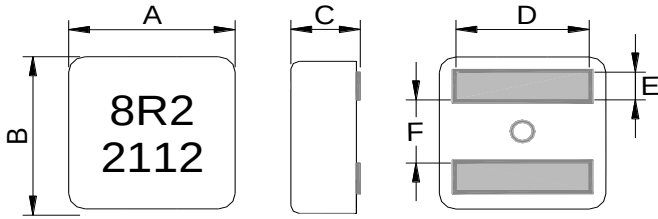


# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0220518053  |
| ITEM      | JRPI 1513F-8R2M <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 | 17.50 | ±0.30 |
|                                                                                   | B | 16.50 | ±0.30 |
|                                                                                   | C | 12.70 | ±0.30 |
|                                                                                   | D | 13.20 | ±0.50 |
|                                                                                   | E | 3.20  | ±0.20 |
|                                                                                   | F | 7.00  | ±0.30 |
|                                                                                   |   |       |       |
|                                                                                   |   |       |       |
|                                                                                   |   |       |       |
|                                                                                   |   |       |       |

| (2) ELECTRICAL CHARACTERISTIC |                           |     | TEST INSTRUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|---------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDUCTANCE                    | 8.2 ± 20%                 | μ H | <input checked="" 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                     | 0.1                       | V   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RDC                           | 5.10 (typ.)<br>5.74 (max) | mΩ  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isat                          | 33 (typ.)<br>29 (max)     | A   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Irms 20°C rise                | 20 (typ.)                 | A   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Irms 40°C rise                | 26 (typ.)                 | A   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## REMARK :

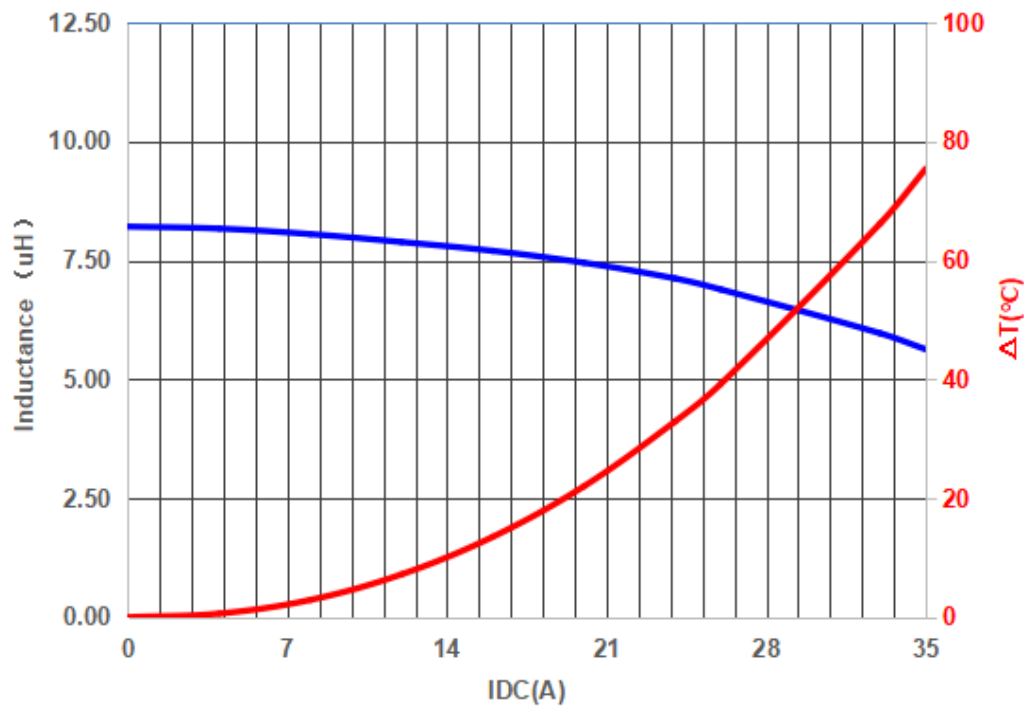
1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Rated operating voltage(across inductor) 40V ref.
4. Rated DC Current : The less value whith is Irms or Isat

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

# TEST REPORT

SPEC NO : SP-0220518053

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