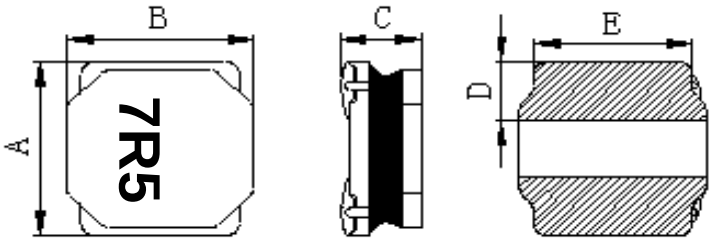


# SPECIFICATION FOR APPROVAL

|           |                                                                                    |          |                |
|-----------|------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                     | SPEC NO. | SP-0230320010  |
| ITEM      | JNR 4018H-7R5M <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    | 4.0 ±0.2 |
|                                                                                   |  | B    | 4.0 ±0.2 |
|                                                                                   |  | C    | 1.6 ±0.2 |
|                                                                                   |  | D    | 1.1 ±0.2 |
|                                                                                   |  | E    | 3.5 ±0.3 |
|                                                                                   |  |      |          |
|                                                                                   |  |      |          |
|                                                                                   |  |      |          |
|                                                                                   |  |      |          |
|                                                                                   |  |      |          |

| (2) ELECTRICAL CHARACTERISTIC |                            | TEST INSTRUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDUCTANCE                    | 7.5 ± 20% $\mu$ H          | <input type="checkbox"/> AGILENT 4294A Precision Impedance Analyzer.<br><input type="checkbox"/> AGILENT 4285A Precision L.C.R.<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 |
| TEST FREQUENCY                | 100 KHz                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| TEST VOLT                     | 1 V                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RDC                           | 0.12 ± 20% $\Omega$        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isat                          | 1.50 (typ)<br>1.30 (max) A |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Irms                          | 1.35 (typ)<br>1.20 (max) A |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                               |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## REMARK :

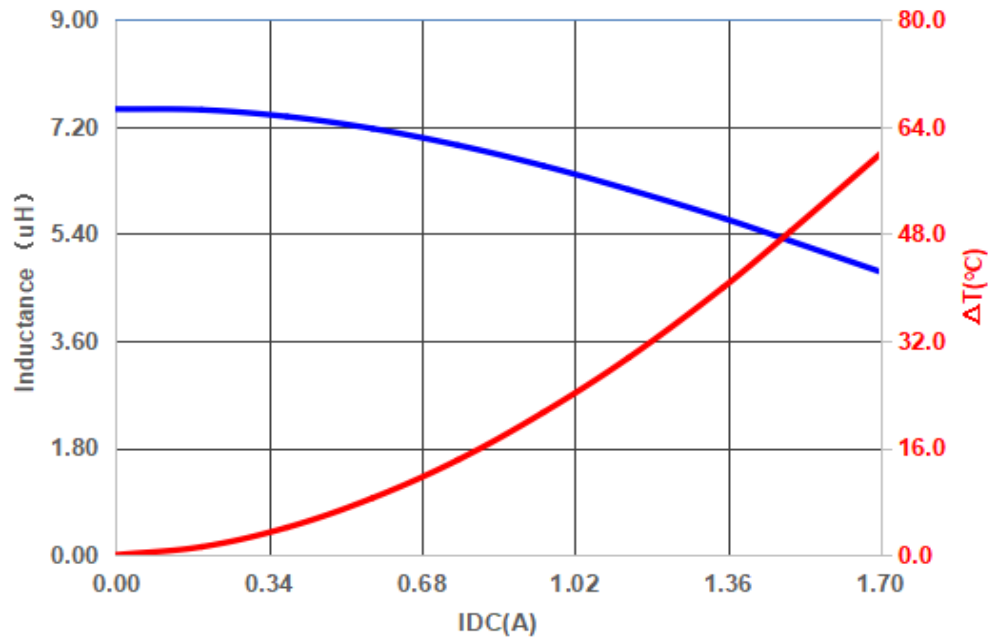
- All test data referenced to 25°C ambient
- Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.
- Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C

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

# TEST REPORT

SPEC NO : SP-0230320010

Typical Performance Curves



Test Instrument :

ZENTECH 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)