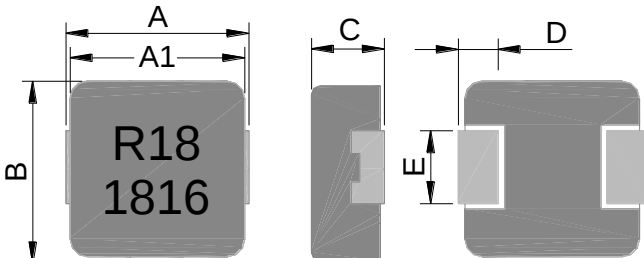


# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0181129038  |
| ITEM      | JRPI 0618V-R18N <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  | 7.0  | ± 0.3 |
|                                                                                   |  | A1 | 6.7  | ± 0.3 |
|                                                                                   |  | B  | 6.6  | ± 0.3 |
|                                                                                   |  | C  | 1.6  | ± 0.2 |
|                                                                                   |  | D  | 1.8  | ± 0.3 |
|                                                                                   |  | E  | 3.0  | ± 0.3 |
|                                                                                   |  |    |      |       |
|                                                                                   |  |    |      |       |
|                                                                                   |  |    |      |       |
|                                                                                   |  |    |      |       |

| (2) ELECTRICAL CHARACTERISTIC |                            | TEST INSTRUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDUCTANCE                    | 0.18 ± 30% $\mu$ 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                           | 2.5 (typ.)<br>3.0 (max) mΩ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isat                          | 32.0 (typ.) A              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Irms                          | 17.0 (typ.) A              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                               |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## REMARK :

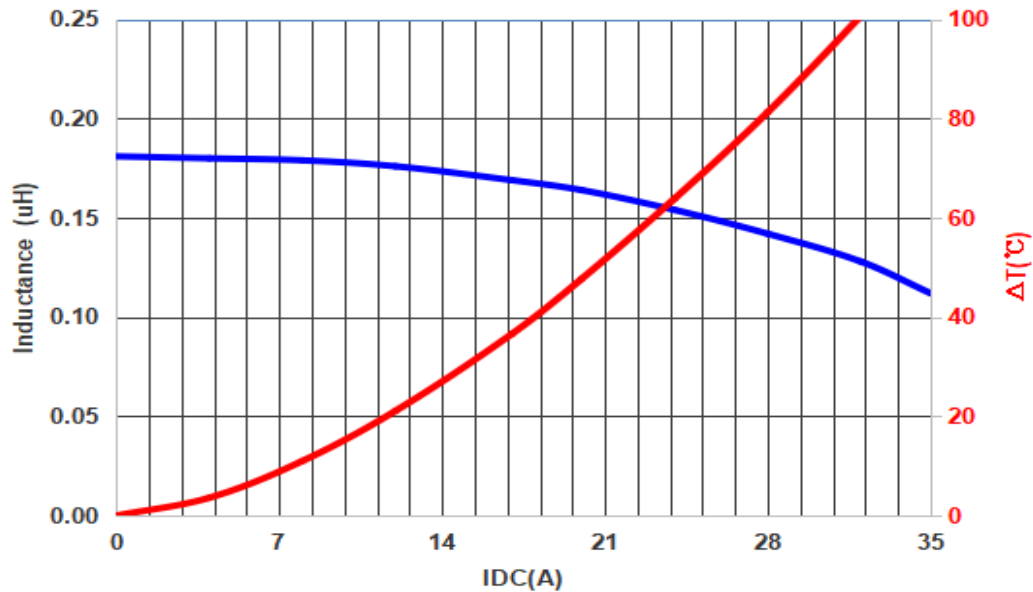
1. All test data referenced to 25°C ambient
2. Saturation Current (Isat) will cause L0 to drop approximately 30%
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
4. Compatible with AEC-Q200

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

# TEST REPORT

SPEC NO : SP-0181129038

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 :

姜秀琴

Test by :

陳秀月



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