

# SPECIFICATION FOR APPROVAL

|           |                                                                                     |          |                |
|-----------|-------------------------------------------------------------------------------------|----------|----------------|
| COMMODITY | SMD POWER COIL                                                                      | SPEC NO. | SP-0160812006  |
| ITEM      | JRPI 1707M-470M <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    | 17.6 ± 0.4 |
|                           |  | A1   | 16.9 ± 0.3 |
|                           |  | B    | 16.9 ± 0.3 |
|                           |  | C    | 6.7 ± 0.3  |
|                           |  | D    | 2.1 ± 0.3  |
|                           |  | E    | 11.9 ± 0.3 |
|                           |  | T    | 0 ~ + 0.25 |
|                           |  |      |            |
|                           |  |      |            |
|                           |  |      |            |

| (2) ELECTRICAL CHARACTERISTIC |                                  | TEST INSTRUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDUCTANCE                    | 47 ± 20% $\mu$ H                 | <input 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                     | 1 V                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RDC                           | 48 (typ.)<br>55 (max) m $\Omega$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isat 1                        | 9.5 (typ.) A                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isat 2                        | 16.0 (typ.) A                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Irms                          | 8.7 (typ.) A                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## REMARK :

- All test data referenced to 25°C ambient
- Saturation Current (Isat1) will cause L0 to drop approximately 20%  
Saturation Current (Isat2) will cause L0 to drop approximately 30%
- Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C

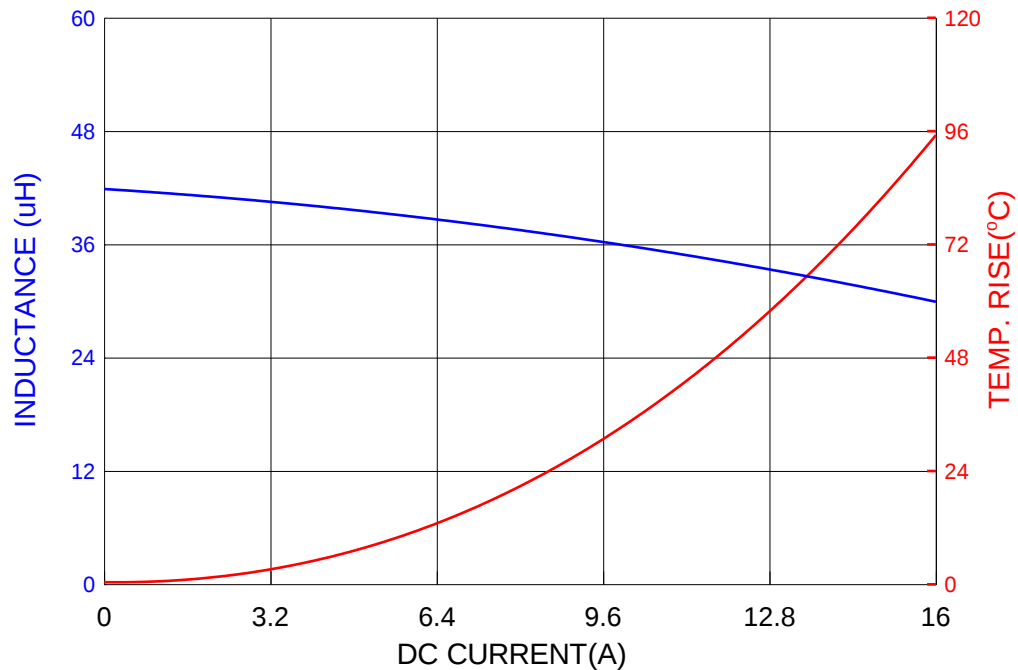
| PURCHASER CONFIRMED | APPROVED | CHECKED | DRAWN |
|---------------------|----------|---------|-------|
|                     |          |         |       |

# TEST REPORT

SPEC NO : SP-0160812006

## Typical Performance Curves

JRPI 1707M-470



### Test Instrument :

ZENTECH 3302 Automatic Components Analyzer

ZENTECH 1320 BIAS CURRENT

### Testing Condition :

Temperature : 25 to 28°C

Humidity : 60 to 70 % RH

Check by :



Test by :



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