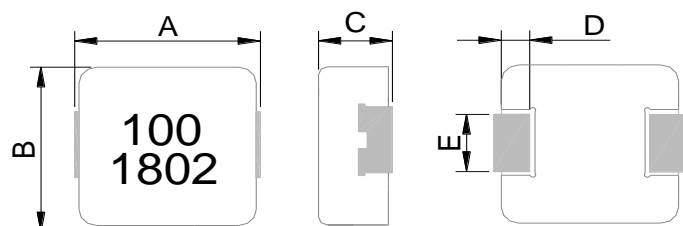


# SPECIFICATION FOR APPROVAL

COMMODITY	SMD POWER COIL	SPEC NO.	SP-0230331008
ITEM	JRPI 0503P-100M <span style="border: 1px solid black; padding: 2px;">Green</span>	版本：A	表單編號：QR-012-02

(1) DIMENSION: (UNIT: mm)		DIM.	TOL.	
	A	5.70	± 0.30	
	B	5.20	± 0.20	
	C	2.80	± 0.20	
	D	1.00	± 0.30	
	E	2.00	± 0.20	

(2) ELECTRICAL CHARACTERISTIC	TEST INSTRUMENTS.																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">INDUCTANCE</td> <td style="width: 20%; text-align: center;">10 ± 20%</td> <td style="width: 5%;"></td> <td style="width: 45%; text-align: right;">μ H</td> </tr> <tr> <td>TEST FREQUENCY</td> <td style="text-align: center;">100</td> <td></td> <td style="text-align: right;">KHz</td> </tr> <tr> <td>TEST VOLT</td> <td style="text-align: center;">1</td> <td></td> <td style="text-align: right;">V</td> </tr> <tr> <td>RDC</td> <td style="text-align: center;">88 (typ.) 103 (max)</td> <td></td> <td style="text-align: right;">mΩ</td> </tr> <tr> <td>Isat</td> <td style="text-align: center;">2.5 (typ.) 2.1 (max)</td> <td></td> <td style="text-align: right;">A</td> </tr> <tr> <td>Irms</td> <td style="text-align: center;">3.8 (typ.) 3.4 (max)</td> <td></td> <td style="text-align: right;">A</td> </tr> </table>	INDUCTANCE	10 ± 20%		μ H	TEST FREQUENCY	100		KHz	TEST VOLT	1		V	RDC	88 (typ.) 103 (max)		mΩ	Isat	2.5 (typ.) 2.1 (max)		A	Irms	3.8 (typ.) 3.4 (max)		A	<input type="checkbox"/> AGILENT 4294A Precision Impedance Analyzer <input type="checkbox"/> Agilent 4287A RF LCR Meter <input type="checkbox"/> AGILENT 4285A Precision L.C.R. <input type="checkbox"/> HP-4286A RF L.C.R. Meter. <input checked="" type="checkbox"/> CHROMA 3302 Automatic Components Analyzer. <input type="checkbox"/> WAYNE KERR 6420 Precision Impedance Analyzer. <input checked="" type="checkbox"/> ZENTECH 1320 BIAS CURRENT. <input checked="" type="checkbox"/> BK PRECISION 2840 DC Resistance Meter <input type="checkbox"/> ZENTECH 502AC Resistance Merter <input type="checkbox"/> ADEX AX-1155B DC Low Ohm Meter <input type="checkbox"/> WAYNE KERR HI-POT TESTER 7600
INDUCTANCE	10 ± 20%		μ H																						
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Isat	2.5 (typ.) 2.1 (max)		A																						
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**REMARK :**

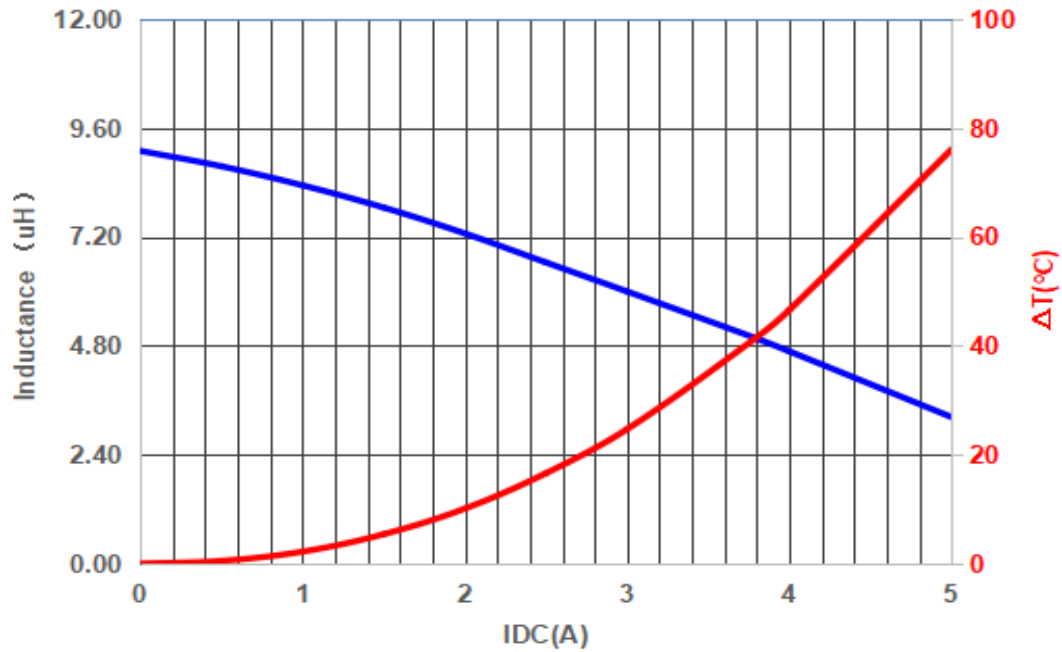
1. All test data referenced to 25°C ambient.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

<b>PURCHASER CONFIRMED :</b>	APPROVED	CHECKED	DRAWN
			

# TEST REPORT

SPEC NO : SP-0230331008

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 :

姜秀琴

Test by :

陳秀月