



SPECIFICATIONS:

- 1. ELECTRICAL CHARACTERISTICS:**
- 1-1. CURRENT RATING: 0.5A MAX.
 - 1-2. VOLTAGE RATING: 150V MAX.
 - 1-3. CONTACT RESISTANCE: 50mΩ MAX.(INITIAL), 100mΩ MAX.(AFTER LIFE TEST).
 - 1-4. INSULATION RESISTANCE: 100MΩ MIN.
 - 1-5. Dielectric Withstanding Voltage : 500 V AC at sea level.
- 2. MECHANICAL CHARACTERISTICS:**
- 2-1. DURABILITY: 5000 CYCLES.
 - 2-2. INSERTION FORCE: 2.25kg MAX. WITH LATCH DEPRESSED.
 - 2-3. WITHDRAWAL FORCE: 4.5kg MAX. WITH LATCH DEPRESSED.
 - 2-4. OPERATING TEMPERATURE: -30°C ~ +70°C.
- 3. MARKING: MARK "S" INSIDE OF THE CONNECTOR.
 - 4. PACKAGING : TAPE & REEL.
 - 5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
 - 6. HALOGEN FREE PRODUCT IDENTIFICATION
 - 7. HALOGEN FREE PRODUCT IDENTIFICATION LOGO ON THE PACKAGING:
 - 8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
 - 9. PRINTED DATE CODE "YY MM DD" ON TOP OF THE CONNECTOR.



| NODE | COLOR | Wavelength | Test Condition |
|-------------|--------|------------|----------------------|
| A1(-) A2(+) | GREEN | A2 →A1 | I _f =20mA |
| B3(-) B2(+) | GREEN | B2 →B3 | I _f =20mA |
| B1(-) B2(+) | ORANGE | B2 →B1 | I _f =20mA |

| NO | DESCRIPTION | QTY | MATERIAL |
|----|--------------|-----|---------------------------------------------------------------------------------|
| E | LED | 1 | GREEN,ORANGE |
| D | LED | 1 | GREEN |
| C | SHELL | 1 | COPPER ALLOY |
| B | BP8C CONTACT | 8 | PHOSPHOR BRONZE 0.30t Matte Sn 120u" ON SOLDER TAIL; ALL OVER Ni 50u"MIN. |
| A | BODY | 1 | HIGH TEMP.THERMOPLASTIC UL 94V-0 & BLACK |

Singatron Enterprise Co., Ltd.
信亨企業股份有限公司

| DECIMALS: | ANGLES: | TITLE |
|-------------|----------|-------|
| X :±0.50 | X :±2° | DWM |
| X.X :±0.30 | X.X :±1° | CHKD |
| X.XX :±0.20 | | APVD |

| PART NO. | SCALE | UNIT | SHEET | REV. |
|-----------------|-------|------|-------|------|
| 2R30309-118411F | 4:1 | mm | 1 / 1 | A |

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| REV. | ECON NO | OR DESCRIPTION | REVISED | DATE |
|------|--------------------|----------------|------------|------|
| A | PDR NO: T130531-6A | ALLEN | 2013.09.02 | |

1 2 3 4 5 6 7 8