

# JOINSCAN LEDs

| Ø 10.0 mm 3PINs DUAL COLOR CLEAR TYPE LED LAMP |                 |
|------------------------------------------------|-----------------|
| MODEL NO.                                      | L1056CX +       |
| EMITTING COLOR                                 | BLUE / RED      |
| DICE                                           | SiC / GaAsP/GaP |
| LENS                                           | CLEAR TYPE      |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                                           |                                 |        |               |       |
|----------------------------------------------------------------------------------------------|---------------------------------|--------|---------------|-------|
| TA = 25℃                                                                                     |                                 |        |               |       |
| PARAMETER                                                                                    |                                 | SYMBOL | RATING        | UNIT  |
| D1                                                                                           | BLUE POWER DISSIPATION          | P AD   | 72.0          | mW    |
| D2                                                                                           | RED POWER DISSIPATION           | P AD   | 40.0          | mW    |
| DERATING LINEAR FROM 25℃                                                                     |                                 |        | 0.27          | m / ℃ |
| D1                                                                                           | BLUE CONTINUOUS FORWARD CURRENT | I AF   | 20.0          | mA    |
| D2                                                                                           | RED CONTINUOUS FORWARD CURRENT  | I AF   | 20.0          | mA    |
| PEAK FORWARD CURRENT ( DUTY CYCLE 1 / 10 , 10KHZ )                                           |                                 | I PF   | 90.0          | mA    |
| REVERSE VOLTAGE                                                                              |                                 | V R    | 5.0           | V     |
| OPERATING TEMPERATURE                                                                        |                                 | T OPR  | -25℃ TO + 85℃ |       |
| STORAGE TEMPERATURE                                                                          |                                 | T STG  | -25℃ TO + 85℃ |       |
| SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 ℃ OR 3 SECONDS AT 250℃ |                                 |        |               |       |

| D1 BLUE ELECTRO - OPTICAL CHARACTERISTICS ( 電性 ) |             |            |     |     |     |      |
|--------------------------------------------------|-------------|------------|-----|-----|-----|------|
| TA = 25 °C                                       |             |            |     |     |     |      |
| PARAMETER                                        | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT |
| FORWARD VOLTAGE                                  | V F         | I F = 20mA | —   | 3.6 | —   | V    |
| LUMINOUS INTENSITY                               | I V         | I F = 20mA | —   | 50  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                         | $\lambda$ P | I F = 20mA | —   | 470 | —   | nm   |
| REVERSE CURRENT                                  | I R         | VR = 5V    | —   | —   | 100 | μA   |

| D2 RED ELECTRO - OPTICAL CHARACTERISTICS ( 電性 ) |             |            |     |     |     |      |
|-------------------------------------------------|-------------|------------|-----|-----|-----|------|
| TA = 25 °C                                      |             |            |     |     |     |      |
| PARAMETER                                       | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT |
| FORWARD VOLTAGE                                 | V F         | I F = 20mA | —   | 1.8 | —   | V    |
| LUMINOUS INTENSITY                              | I V         | I F = 20mA | —   | 50  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                        | $\lambda$ P | I F = 20mA | —   | 635 | —   | nm   |
| REVERSE CURRENT                                 | I R         | VR = 5V    | —   | —   | 100 | μA   |

