

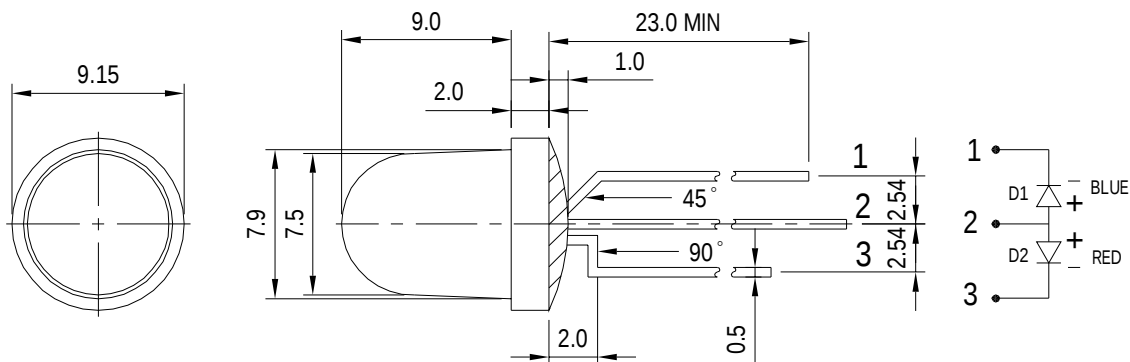
# JOINSCAN LEDs

| Ø 8.0 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |                 |
|---------------------------------------------------|-----------------|
| MODEL NO.                                         | L8066MX         |
| EMITTING COLOR                                    | BLUE / RED      |
| DICE                                              | SiC / GaAsP/GaP |
| LENS                                              | DIFFUSION TYPE  |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25 °C                                                |  |        |                   |        |
|-------------------------------------------------------------------------------------------------|--|--------|-------------------|--------|
| 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 °C                                                                      |  |        | 0.27              | m / °C |
| 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 °C TO + 85 °C |        |
| STORAGE TEMPERATURE                                                                             |  | T STG  | -25 °C TO + 85 °C |        |
| SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 °C OR 3 SECONDS AT 250 °C |  |        |                   |        |

| D1 BLUE ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>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 )<br>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   |



UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B