

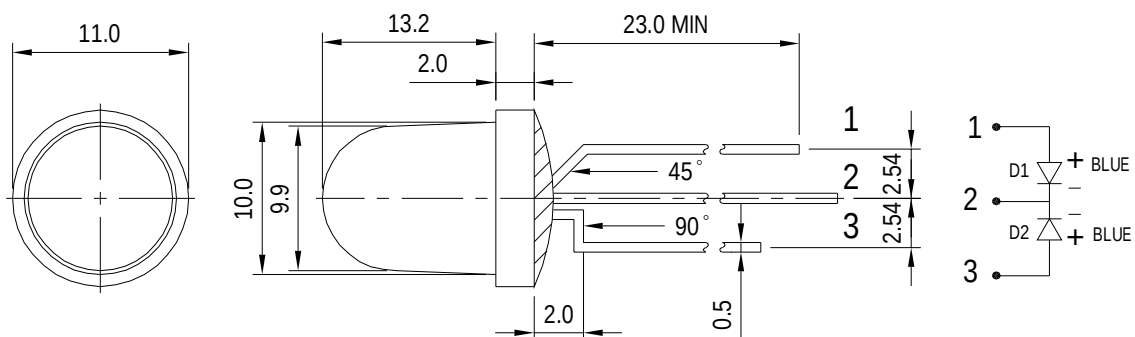
# JOINSCAN LEDs

| Ø 10.0 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |                |
|----------------------------------------------------|----------------|
| MODEL NO.                                          | L105SFM        |
| EMITTING COLOR                                     | BLUE / BLUE    |
| DICE                                               | SiC / SiC      |
| 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                                                                                              | BLUE POWER DISSIPATION          | P AD   | 72.0              | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |                                 |        | 0.27              | m / °C |
| D1                                                                                              | BLUE CONTINUOUS FORWARD CURRENT | I AF   | 20.0              | mA     |
| D2                                                                                              | BLUE 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 | $\mu$ A |

| D2 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 | $\mu$ A |



UNIT : mm  
TOLERANCE :  $\pm 0.2$ mm  
REV : B