

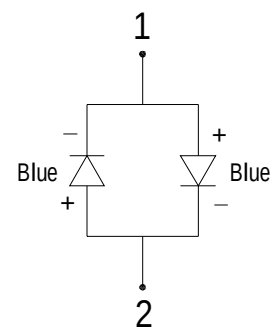
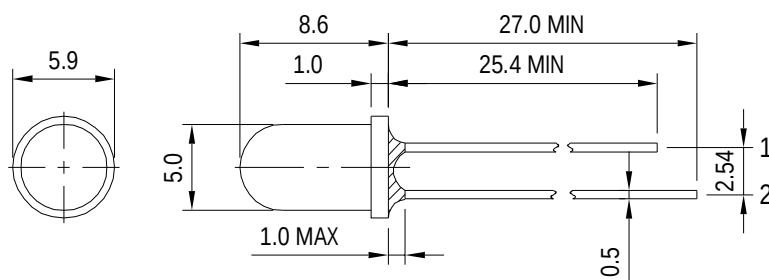
# JOINSCAN LEDs

| Ø 5.0 mm BICOLOR CLEAR TYPE LED LAMP |             |
|--------------------------------------|-------------|
| MODEL NO.                            | L507FC      |
| EMITTING COLOR                       | BLUE / BLUE |
| DICE                                 | SiC / SiC   |
| LENS                                 | CLEAR TYPE  |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                                              |        |                   |        |
|-------------------------------------------------------------------------------------------------|--------|-------------------|--------|
| TA = 25 °C                                                                                      |        |                   |        |
| PARAMETER                                                                                       | SYMBOL | RATING            | UNIT   |
| BLUE POWER DISSIPATION                                                                          | P AD   | 72.0              | mW     |
| BLUE POWER DISSIPATION                                                                          | P AD   | 72.0              | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27              | m / °C |
| BLUE CONTINUOUS FORWARD CURRENT                                                                 | I AF   | 20.0              | mA     |
| 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 |        |                   |        |

| 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 | —   | 225 | —   | mcd  |
| PEAK EMISSION WAVELENGTH                      | $\lambda$ P | I F = 20mA | —   | 470 | —   | nm   |
| REVERSE CURRENT                               | I R         | VR = 5V    | —   | —   | 100 | μA   |

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|-----------------------------------------------|-------------|------------|-----|-----|-----|------|
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UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B