

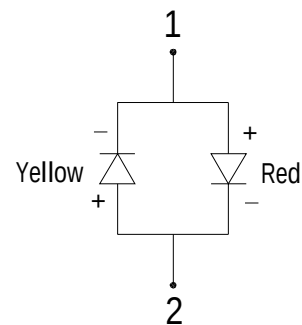
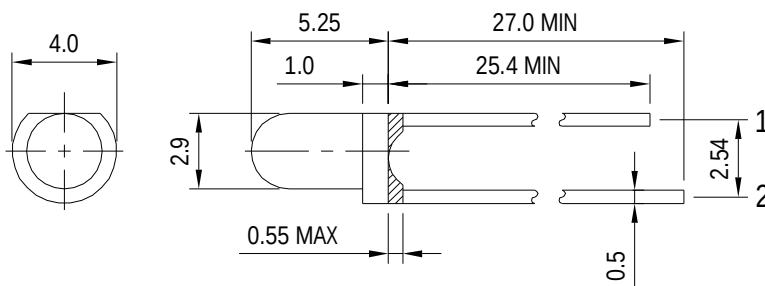
# JOINSCAN LEDs

| Ø 3.0 mm BICOLOR DIFFUSION TYPE LED LAMP |                |
|------------------------------------------|----------------|
| MODEL NO.                                | L3082M         |
| EMITTING COLOR                           | RED / YELLOW   |
| DICE                                     | GaAlAs / GaP   |
| LENS                                     | DIFFUSION TYPE |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25 °C                                                |        |                   |        |
|-------------------------------------------------------------------------------------------------|--------|-------------------|--------|
| PARAMETER                                                                                       | SYMBOL | RATING            | UNIT   |
| RED POWER DISSIPATION                                                                           | P AD   | 54.0              | mW     |
| YELLOW POWER DISSIPATION                                                                        | P AD   | 42.0              | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27              | m / °C |
| RED CONTINUOUS FORWARD CURRENT                                                                  | I AF   | 30.0              | mA     |
| YELLOW 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 |        |                   |        |

| 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 | —   | 75  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                                   | $\lambda$ P | I F = 20mA | —   | 660 | —   | nm   |
| REVERSE CURRENT                                            | I R         | VR = 5V    | —   | —   | 100 | μA   |

| YELLOW ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25 °C |             |            |     |     |     |      |
|---------------------------------------------------------------|-------------|------------|-----|-----|-----|------|
| PARAMETER                                                     | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT |
| FORWARD VOLTAGE                                               | V F         | I F = 20mA | —   | 2.0 | —   | V    |
| LUMINOUS INTENSITY                                            | I V         | I F = 20mA | —   | 23  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                                      | $\lambda$ P | I F = 20mA | —   | 600 | —   | nm   |
| REVERSE CURRENT                                               | I R         | VR = 5V    | —   | —   | 100 | μA   |



UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B