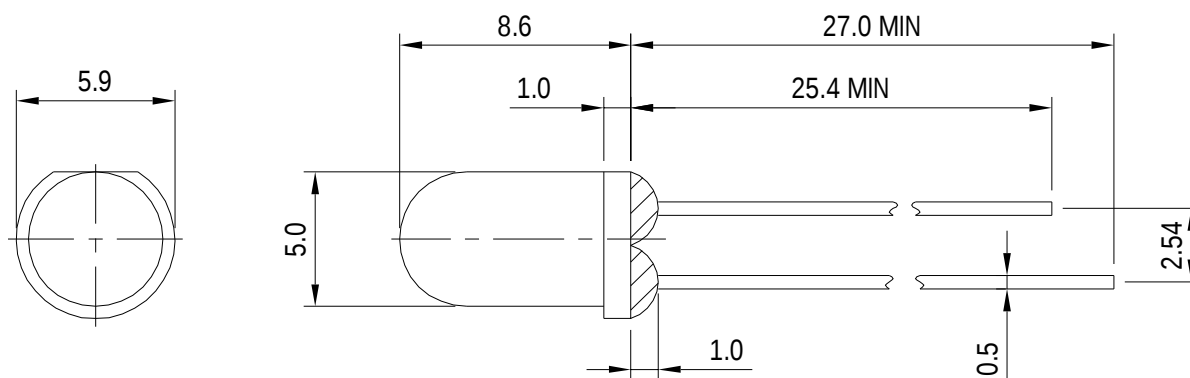


# JOINSCAN LEDs

| LED LAMP — $\phi$ 5.0mm SERIES |              |
|--------------------------------|--------------|
| MODEL NO.                      | L503YCU      |
| EMITTING COLOR                 | SUPER YELLOW |
| DICE                           | GaAlInP      |
| LENS                           | Water Clear  |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25°C                                                 |        |                 |        |
|-------------------------------------------------------------------------------------------------|--------|-----------------|--------|
| PARAMETER                                                                                       | SYMBOL | RATING          | UNIT   |
| POWER DISSIPATION                                                                               | P AD   | 44.0            | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27            | m / °C |
| 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 |        |                 |        |

| ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25°C |             |            |     |      |     |         |
|-------------------------------------------------------|-------------|------------|-----|------|-----|---------|
| PARAMETER                                             | SYMBOL      | CONDITION  | MIN | TYP  | MAX | UNIT    |
| FORWARD VOLTAGE                                       | V F         | I F = 20mA | —   | 2.2  | —   | V       |
| LUMINOUS INTENSITY                                    | I V         | I F = 20mA | —   | 1500 | —   | mcd     |
| PEAK EMISSION WAVELENGTH                              | $\lambda$ P | I F = 20mA | —   | 590  | —   | nm      |
| REVERSE CURRENT                                       | I P         | I F = 5mA  | —   | —    | 100 | $\mu$ A |



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