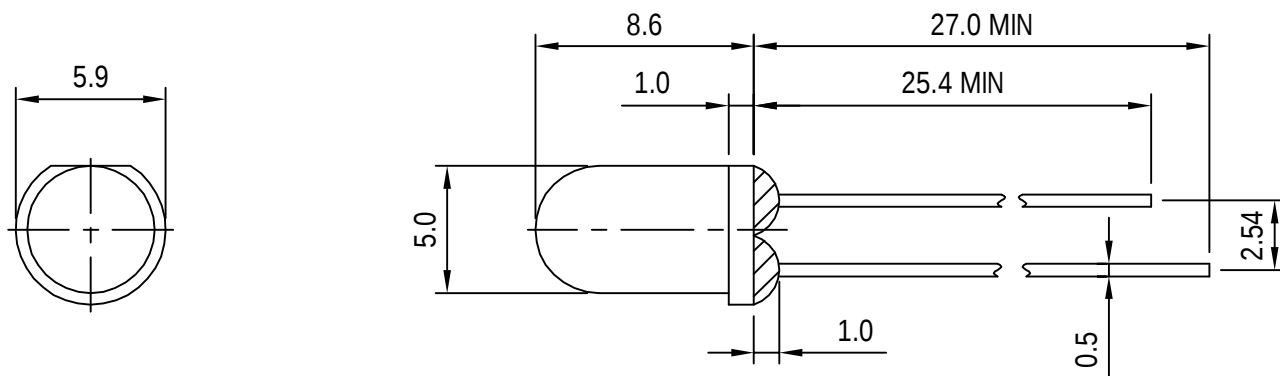


# JOINSCAN LEDs

| LED LAMP — $\phi$ 5.0 mm SERIES |             |
|---------------------------------|-------------|
| MODEL NO.                       | L503ZC      |
| EMITTING COLOR                  | RED         |
| DICE                            | GaAlAs      |
| LENS                            | WATER CLEAR |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                        |        |                 |        |
|---------------------------------------------------------------------------|--------|-----------------|--------|
| TA = 25°C                                                                 |        |                 |        |
| PARAMETER                                                                 | SYMBOL | RATING          | UNIT   |
| POWER DISSIPATION                                                         | P AD   | 54.0            | mW     |
| DERATING LINEAR FROM 25°C                                                 |        | 0.5             | m / °C |
| CONTINUOUS FORWARD CURRENT                                                | I AF   | 30.0            | mA     |
| PEAK FORWARD CURRENT ( DUTY CYCLE 1 / 10 , 10KHZ )                        | I PF   | 200             | 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 |        |                 |        |

| ELECTRO - OPTICAL CHARACTERISTICS ( 電性 ) |             |            |     |     |     |         |
|------------------------------------------|-------------|------------|-----|-----|-----|---------|
| 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 | —   | 760 | —   | mcd     |
| PEAK EMISSION WAVELENGTH                 | $\lambda$ P | I F = 20mA | —   | 660 | —   | nm      |
| REVERSE CURRENT                          | I P         | I F = 5mA  | —   | —   | 100 | $\mu$ A |



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