

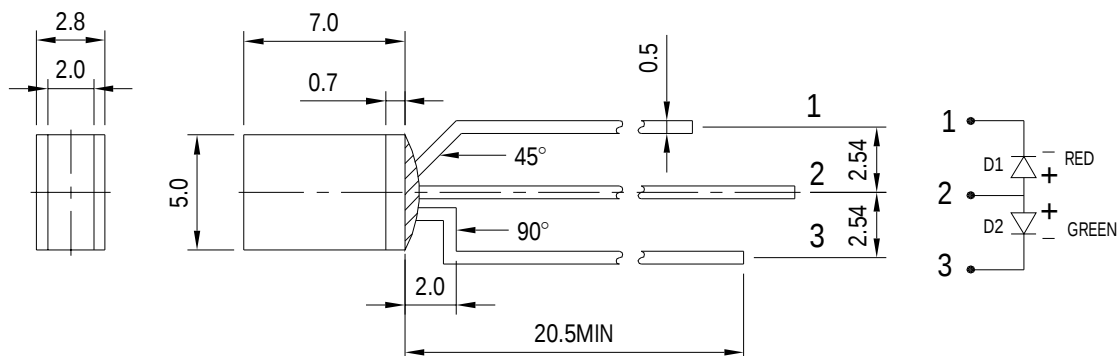
# JOINSCAN LEDs

| 2 X 5 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |                 |
|---------------------------------------------------|-----------------|
| MODEL NO.                                         | L256CM+         |
| EMITTING COLOR                                    | RED / GREEN     |
| DICE                                              | GaAsP/GaP / GaP |
| LENS                                              | DIFFUSION TYPE  |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25 °C                                                |        |                   |        |
|-------------------------------------------------------------------------------------------------|--------|-------------------|--------|
| PARAMETER                                                                                       | SYMBOL | RATING            | UNIT   |
| D1 RED POWER DISSIPATION                                                                        | P AD   | 40.0              | mW     |
| D2 GREEN POWER DISSIPATION                                                                      | P AD   | 42.0              | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27              | m / °C |
| D1 RED CONTINUOUS FORWARD CURRENT                                                               | I AF   | 20.0              | mA     |
| D2 GREEN 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 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 | —   | 50  | —   | mcd     |
| PEAK EMISSION WAVELENGTH                                      | $\lambda$ P | I F = 20mA | —   | 635 | —   | nm      |
| REVERSE CURRENT                                               | I R         | VR = 5V    | —   | —   | 100 | $\mu$ A |

| D2 GREEN 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 | —   | 20  | —   | mcd     |
| PEAK EMISSION WAVELENGTH                                        | $\lambda$ P | I F = 20mA | —   | 570 | —   | nm      |
| REVERSE CURRENT                                                 | I R         | VR = 5V    | —   | —   | 100 | $\mu$ A |



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