

# JOINSCAN LEDs

| Ø 10.0 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |                 |
|----------------------------------------------------|-----------------|
| MODEL NO.                                          | L105YM+         |
| EMITTING COLOR                                     | YELLOW / YELLOW |
| DICE                                               | GaP / GaP       |
| LENS                                               | DIFFUSION TYPE  |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25 °C                                                |        |                  |        |
|-------------------------------------------------------------------------------------------------|--------|------------------|--------|
| PARAMETER                                                                                       | SYMBOL | RATING           | UNIT   |
| D1 YELLOW POWER DISSIPATION                                                                     | P AD   | 44.0             | mW     |
| D2 YELLOW POWER DISSIPATION                                                                     | P AD   | 44.0             | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27             | m / °C |
| D1 YELLOW CONTINUOUS FORWARD CURRENT                                                            | I AF   | 20.0             | mA     |
| D2 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 |        |                  |        |

| D1 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 | —   | 15  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                                         | $\lambda$ P | I F = 20mA | —   | 600 | —   | nm   |
| REVERSE CURRENT                                                  | I R         | VR = 5V    | —   | —   | 100 | μA   |

| D2 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 | —   | 15  | —   | mcd  |
| PEAK EMISSION WAVELENGTH                                         | $\lambda$ P | I F = 20mA | —   | 600 | —   | nm   |
| REVERSE CURRENT                                                  | I R         | VR = 5V    | —   | —   | 100 | μA   |

