

# JOINSCAN LEDs

| 2 X 5 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |                |
|---------------------------------------------------|----------------|
| MODEL NO.                                         | L2555MX        |
| EMITTING COLOR                                    | BLUE / YELLOW  |
| DICE                                              | SiC / GaP      |
| LENS                                              | DIFFUSION TYPE |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                                           |                                   |        |               |       |
|----------------------------------------------------------------------------------------------|-----------------------------------|--------|---------------|-------|
| TA = 25℃                                                                                     |                                   |        |               |       |
| PARAMETER                                                                                    |                                   | SYMBOL | RATING        | UNIT  |
| D1                                                                                           | BLUE POWER DISSIPATION            | P AD   | 72.0          | mW    |
| D2                                                                                           | YELLOW POWER DISSIPATION          | P AD   | 44.0          | mW    |
| DERATING LINEAR FROM 25℃                                                                     |                                   |        | 0.27          | m / ℃ |
| D1                                                                                           | BLUE 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℃ TO + 85℃ |       |
| STORAGE TEMPERATURE                                                                          |                                   | T STG  | -25℃ TO + 85℃ |       |
| SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 ℃ OR 3 SECONDS AT 250℃ |                                   |        |               |       |

| D1 BLUE ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25 °C |             |            |     |     |     |         |
|----------------------------------------------------------------|-------------|------------|-----|-----|-----|---------|
| PARAMETER                                                      | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT    |
| FORWARD VOLTAGE                                                | V F         | I F = 20mA | —   | 3.6 | —   | V       |
| LUMINOUS INTENSITY                                             | I V         | I F = 20mA | —   | 50  | —   | mcd     |
| PEAK EMISSION WAVELENGTH                                       | $\lambda$ P | I F = 20mA | —   | 470 | —   | nm      |
| REVERSE CURRENT                                                | I R         | VR = 5V    | —   | —   | 100 | $\mu$ A |

| 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 | $\mu$ A |

