

# JOINSCAN LEDs

| 2 X 5 mm 3PINs DUAL COLOR DIFFUSION TYPE LED LAMP |               |
|---------------------------------------------------|---------------|
| MODEL NO.                                         | L2554M        |
| EMITTING COLOR                                    | GREEN / BLUE  |
| DICE                                              | GaP / SiC     |
| LENS                                              | DIFFSION TYPE |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )                                                           |                                  |        |               |       |
|----------------------------------------------------------------------------------------------|----------------------------------|--------|---------------|-------|
| TA = 25℃                                                                                     |                                  |        |               |       |
| PARAMETER                                                                                    |                                  | SYMBOL | RATING        | UNIT  |
| D1                                                                                           | GREEN POWER DISSIPATION          | P AD   | 42.0          | mW    |
| D2                                                                                           | BLUE POWER DISSIPATION           | P AD   | 72.0          | mW    |
| DERATING LINEAR FROM 25℃                                                                     |                                  |        | 0.27          | m / ℃ |
| D1                                                                                           | GREEN CONTINUOUS FORWARD CURRENT | I AF   | 20.0          | mA    |
| D2                                                                                           | BLUE 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 GREEN ELECTRO - OPTICAL CHARACTERISTICS ( 電性 ) |             |            |     |     |     |         |
|---------------------------------------------------|-------------|------------|-----|-----|-----|---------|
| 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 WAVELENTH                           | $\lambda$ P | I F = 20mA | —   | 570 | —   | nm      |
| REVERSE CURRENT                                   | I R         | VR = 5V    | —   | —   | 100 | $\mu$ A |

| D2 BLUE ELECTRO - OPTICAL CHARACTERISTICS ( 電性 ) |             |            |     |     |     |         |
|--------------------------------------------------|-------------|------------|-----|-----|-----|---------|
| 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 WAVELENTH                          | $\lambda$ P | I F = 20mA | —   | 470 | —   | nm      |
| REVERSE CURRENT                                  | I R         | VR = 5V    | —   | —   | 100 | $\mu$ A |

