

# CL-321 シリーズ

Multi-Color Upward-Lighting Type **CL-321 Series**

- 同一パッケージで赤、青、緑の3色に発光するチップLEDです。
- 3 colors of red, blue, and green chip LEDs in one package

●絶対最大定格/Absolute Maximum Rating

(Ta 25°C)

| Series | Lighting color | P*1<br>(mW) | Pd<br>(mW) | If<br>(mA) | IFP<br>(mA) | VR<br>(V) | Top<br>(℃) | Tst<br>(℃) |
|--------|----------------|-------------|------------|------------|-------------|-----------|------------|------------|
| CL-321 | TR1            | 125         | 78         | 30         | 100*2       | 4         | -25~+80    | -30~+85    |
|        | MG/MB          |             | 76         | 20         |             |           |            |            |

※1 Pは同時点灯時の全許容損失を示します。

※1 P means total value of power dissipation when both colors are on.

※2 IFPの条件はduty 1/10、パルス巾30msecです。

※2 Condition for I/F is pulse of 1/10 duty and 30msec width.

## ●電気的光学的特性/Electro-optical Characteristics

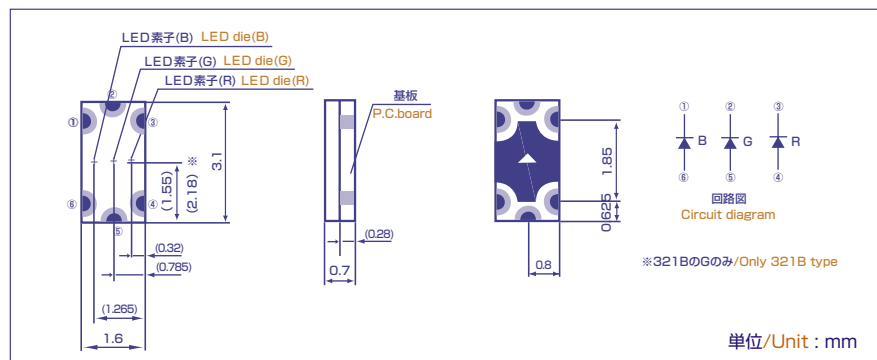
(Ta 25°C)

| Product code | Lighting color | V <sub>F</sub>         |            |            | $\lambda_p$<br>typ<br>(nm) | $\Delta \lambda$<br>typ<br>(nm) | I <sub>V</sub> *       |              |              |
|--------------|----------------|------------------------|------------|------------|----------------------------|---------------------------------|------------------------|--------------|--------------|
|              |                | I <sub>F</sub><br>(mA) | typ<br>(V) | max<br>(V) |                            |                                 | I <sub>F</sub><br>(mA) | min<br>(mcd) | typ<br>(mcd) |
| CL-321G      | TR1            | 20                     | 2.0        | 2.6        | 624                        | 15                              | 20                     | 79           | 120          |
|              | MG             | 20                     | 3.3        | 3.8        | 515                        | 35                              | 20                     | 110          | 300          |
|              | MB             | 20                     | 3.4        | 3.8        | 470                        | 25                              | 20                     | 30           | 95           |

※NIST規格に準拠

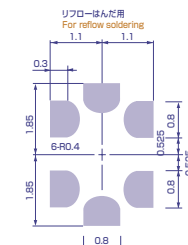
※Per NIST standards

●外形寸法図/Outline drawing



推奨はんだ付けパターン

The following soldering patterns are recommended for reflow-soldering:



## ■ 諸特性／Characteristics

