

楕円型 LED ランプ

Oval LED Lamp



SDP Series



写真のLEDランプは、ストッパー無タイプです。
This picture shows LED lamps without stopper.

特長

- 小型楕円 (4.3 x 3.2)
- 耐紫外線樹脂
- 静電気耐圧 ±3kV (Min.)

用途

- LEDフルカラーディスプレイユニット
- 広視野角装飾ランプモジュール

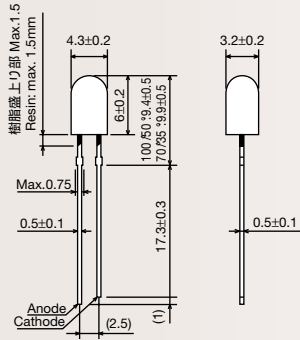
Features

- Small oval (4.3 x 3.2)
- UV resistant resin
- ESD tolerance: ±3 kV (Min.)

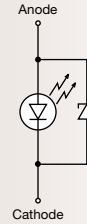
Applications

- LED full color display units
- Wide viewing angle decorative lamp modules

外形寸法図 Package Dimensions



回路図 Circuit Diagram



単位 Unit : mm

絶対最大定格 (Ta=25) Absolute Maximum Ratings

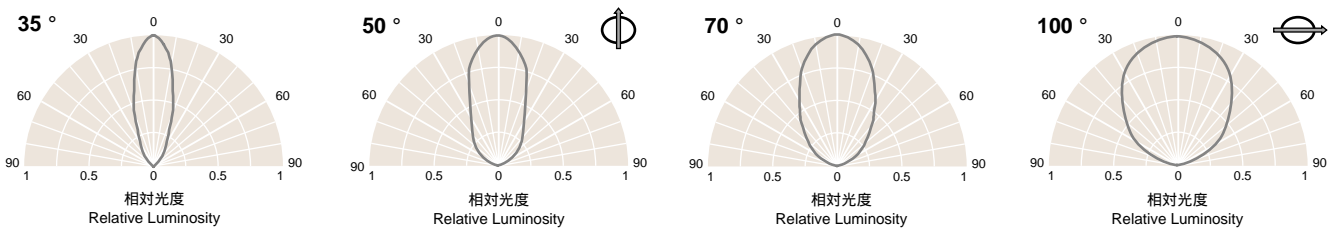
| 許容損失 (mW) Power Dissipation | 順方向電流 (mA) DC Forward Current | パルス順方向電流 (mA) Peak Pulse Forward Current | 逆方向電流 (mA) Reverse Current | 動作温度 () Operating Temperature Range | 保存温度 () Storage Temperature Range |
|----------------------------------|------------------------------------|---|---------------------------------|---|---------------------------------------|
| 120 | 30 | 100 | 120 | - 35 ~ + 85 | - 40 ~ + 100 |

: Duty 1/10 Pulse Width 10ms

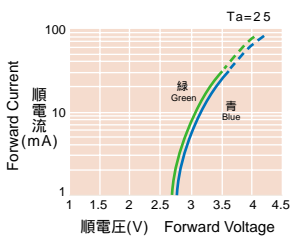
電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

| 発光色 Emitting Color | 品番 Part No. | 指向角 Typical Viewing Angle 2 1/2 | 基準電流 (mA) Standard Current | 光度 (mcd) Luminosity | | 順方向電圧 (V) Forward Voltage | | 逆方向電流 (mA) Reverse Current | ドミナント波長 (nm) Dom. Wavelength | | |
|-----------------------|----------------|---------------------------------------|---------------------------------|--------------------------|------|--------------------------------|------|---------------------------------|-----------------------------------|------|------|
| | | | | Typ. | Max. | Typ. | Max. | | Max. (Vr=0.8V) | Min. | Typ. |
| 青 Blue | SDPB40F2C**** | 100° / 50° | 20 | 350 | 3.8 | 3.4 | 120 | 465 | 472 | 480 | |
| | SDPB40K3C**** | 70° / 35° | | 700 | | | | | | | |
| 緑 Green | SDPG40F2C**** | 100° / 50° | | 750 | 3.3 | 520 | | 527 | 535 | | |
| | SDPG40K3C**** | 70° / 35° | | 1440 | | | | | | | |

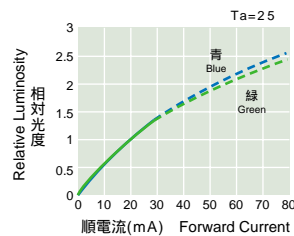
指向代表特性 Directive Characteristics



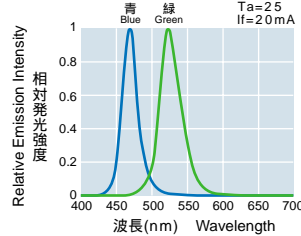
順電流-順電圧特性 Forward Current vs. Forward Voltage



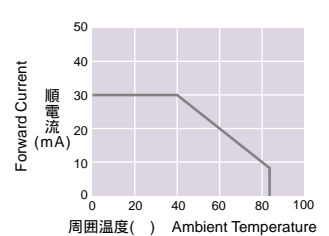
相対光度-順電流特性 Relative Luminosity vs. Forward Current



発光スペクトル Relative Emission Intensity vs. Wavelength



順電流-周囲温度特性 Forward Current vs. Ambient Temperature



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SDL Series



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特長

小型楕円 (4.3 x 3.2)
耐紫外線樹脂
赤 超高輝度

用途

LEDフルカラーディスプレイユニット
広視野角装飾ランプモジュール

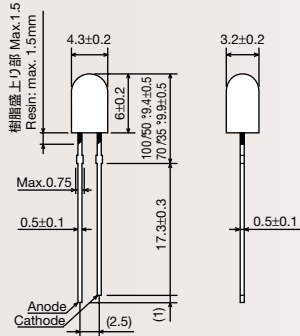
Features

Small oval (4.3 x 3.2)
UV resistant resin
Red; super-high brightness

Applications

LED full color display units
Wide viewing angle decorative lamp modules

外形寸法図 Package Dimensions



回路図 Circuit Diagram



単位 Unit : mm

絶対最大定格 (Ta=25) Absolute Maximum Ratings

| 許容損失 (mW) Power Dissipation | 順方向電流 (mA) DC Forward Current | パルス順方向電流 (mA) Peak Pulse Forward Current | 逆方向電圧 (V) Reverse Voltage | 動作温度 () Operating Temperature Range | 保存温度 () Storage Temperature Range |
|--------------------------------|----------------------------------|---|------------------------------|---|---------------------------------------|
| 120 | 50 | 150 | 5 | - 35 ~ + 85 | - 40 ~ + 100 |

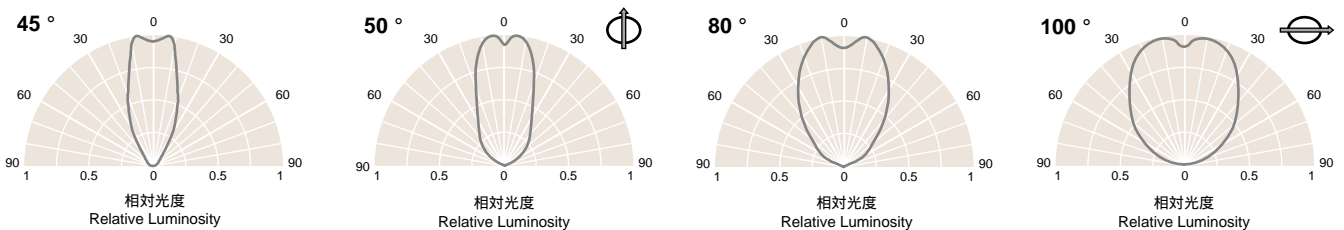
: Duty 1/10 Pulse Width 10ms

電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

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|-----------------------|----------------|---------------------------------------|-------------------------------|------------------------|------------------------------|------|-------------------------------|---------------------------------|------|------|
| | | | | Typ. | Typ. | Max. | Max. (Vr=5.0V) | Min. | Typ. | Max. |
| 赤 Red | SDLR40F2A**** | 100° / 50° | 20 | 250 | 2.1 | 2.6 | 50 | 611 | 621 | 631 |
| | SDLR40K3A**** | 80° / 45° | | 350 | | | | | | |

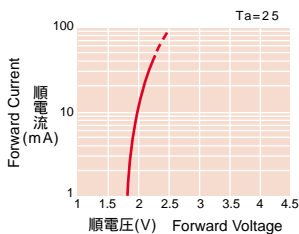
指向代表特性

Directive Characteristics



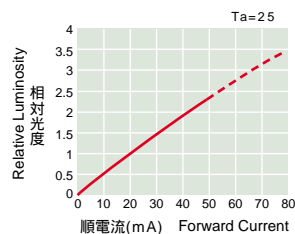
順電流-順電圧特性

Forward Current vs. Forward Voltage



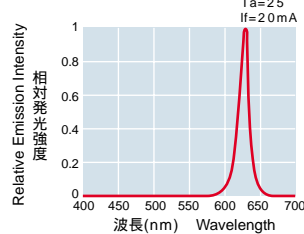
相対光度-順電流特性

Relative Luminosity vs. Forward Current



発光スペクトル

Relative Emission Intensity vs. Wavelength



順電流-周囲温度特性

Forward Current vs. Ambient Temperature

