

白色/超広角白色 LED ランプ

White / Wide View Angle White LED Lamp

SDPW/SDQW 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

白色発光(青色LED+赤・緑2波長蛍光体)
耐紫外線樹脂
色温度5700K~15000K
静電気耐圧 ±3kV (Min.)
超広角: 5mm逆円錐
広配光角

用途

LCDバックライト光源、インジケータ、
照光スイッチ、懐中電灯等の簡易光源、
ディスプレイ光源
超広角: イルミネーション、
装飾ランプ、
クリスマスツリー

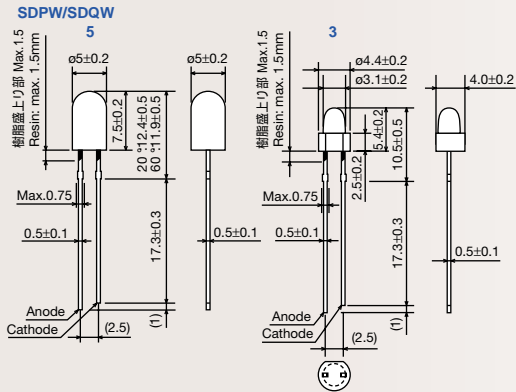
Features

White light (blue LED + 2-wavelength [red and green] phosphor)
UV resistant resin
Color temperatures 5700K-15000K
ESD tolerance: ±3 kV (Min.)
Wide View Angle: 5mm in diameter, reverse conic
Wide view angle

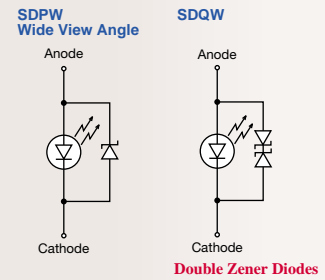
Applications

LCD backlight sources, Indicators,
Illuminated switches,
Electric torch light sources,
Display light sources
Wide View Angle: Illuminations,
Decorative lamps,
Christmas tree

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 | 逆方向電圧 (V) Reverse Voltage | 動作温度 () Operating Temperature Range | 保存温度 () Storage Temperature Range |
|--------------------------------|----------------------------------|---|-------------------------------|------------------------------|---|---------------------------------------|
| 120 | 30 | 100 | 120 | - | -35 ~ +85 | -40 ~ +100 |
| | | | - | 5 | | |
| | | | 120 | - | | |

SDPW Series

SDQW Series

(Double Zener Diodes)

SDPW Series

(超広角SDPW)

Wide View Angle SDPW

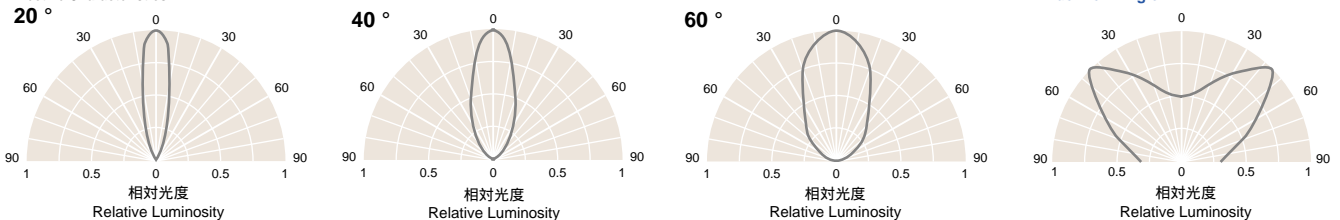
: Duty 1/10 Pulse Width 10ms

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 Typ. | 順方向電圧 (V) Forward Voltage Typ. Max. | | 逆方向電流 (mA) Reverse Current Max. (Vr=0.8V) Max. (Vr=5.0V) | | 色度座標 Chromatic Coordinates Min. Typ. Max. | | | | | | | |
|-----------------------|----------------|---------------------------------------|-------------------------------|--------------------------------|---|------|--|----------------|---|-------|-------|-------|------|-------|-------|-------|
| | | | | | Typ. | Max. | Max. (Vr=0.8V) | Max. (Vr=5.0V) | x= | y= | Min. | Typ. | Max. | | | |
| 白 White | SDPW50B0C**** | 20° | 20 | 5000 | 3.4 | 3.8 | 120 | - | x= | 0.257 | 0.292 | 0.328 | | | | |
| | SDQW50B0C**** | | | | | | 1 | - | | | | | 50 | | | |
| | SDPW50H0C**** | 60° | | 1000 | | | 120 | - | | | | | | | | |
| | SDQW50H0C**** | | | | | | 1 | - | | | | | 50 | | | |
| | SDPW31G0C**** | 40° | | 1600 | | | 120 | - | | | | | y= | 0.251 | 0.305 | 0.358 |
| | SDQW31G0C**** | | | | | | 1 | - | | | | | | | | |
| SDPW52J0C0C**** | 2 | 140° | 53 (Min.) | 120 | - | - | - | | | | | | | | | |

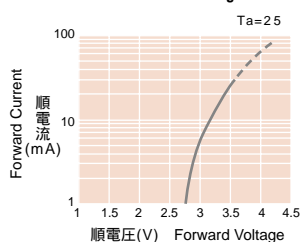
1 : Double Zener Diodes 2 : 超広角ランプ Wide View Angle

指向代表特性 Directive Characteristics

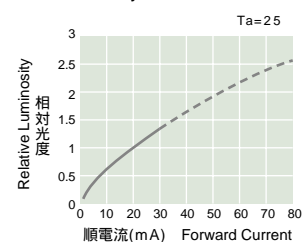


超広角ランプ Wide View Angle

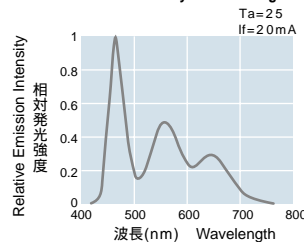
順電流-順電圧特性 Forward Current vs. Forward Voltage



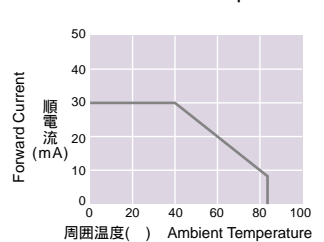
相対光度-順電流特性 Relative Luminosity vs. Forward Current



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



電球色/超広角電球色 LED ランプ

Warm White / Wide View Angle Warm White LED Lamp

SDPL Wide View Angle

SDPL 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

耐紫外線樹脂
色温度 2600K ~ 3250K
静電気耐圧 ±3kV (Min.)
JIS Z 9112に準拠した色調
超広角: 5mm逆円錐
広配光角

用途

イルミネーション、装飾ランプ、インジケータ、
照光スイッチ、簡易光源
超広角: クリスマスツリー

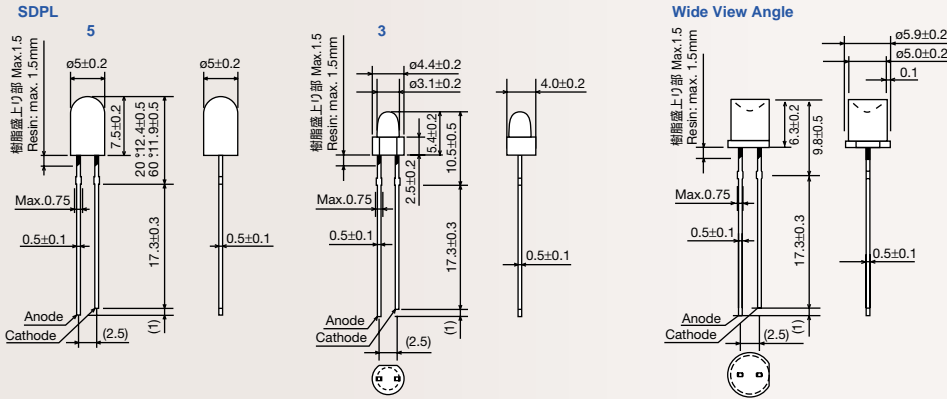
Features

UV resistant resin
Color temperature 2600K-3250K
ESD tolerance: ±3 kV (Min.)
Color is based on JIS Z9112
Wide View Angle: 5mm in diameter, reverse conic
Wide view angle

Applications

Illuminations, Decorative lamps,
Indicators, Illuminated switches,
Light sources
Wide View Angle: Christmas tree

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

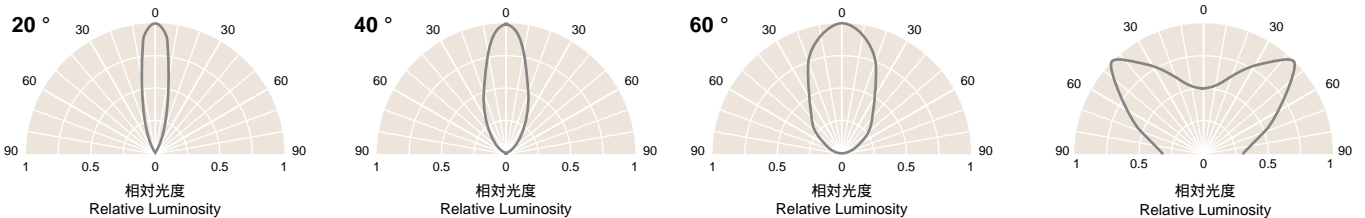
電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

| 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 Max. (Vr=0.8V) | 色度座標 Chromatic Coordinates | | |
|-----------------------|-----------------|---------------------------------------|-------------------------------|------------------------|------|------------------------------|------|---|-------------------------------|-------|-------|
| | | | | Typ. | Max. | Typ. | Max. | | Min. | Typ. | Max. |
| 電球色 Warm white | SDPL50B0C0*** | 20 ° | 20 | 3750 | 3.4 | 3.8 | 120 | x= | 0.400 | 0.454 | 0.508 |
| | SDPL50H0C0*** | 60 ° | | 750 | | | | | | | |
| | SDPL31G0C0*** | 40 ° | | 1100 | | | | | | | |
| | SDPL52J0C0*** 1 | 140 ° | | 53 (Min.) | | | | | | | |

1: 超広角ランプ Wide View Angle

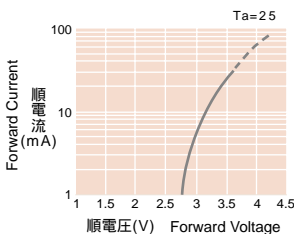
指向代表特性

Directive Characteristics

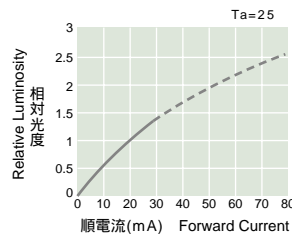


超広角ランプ
Wide View Angle

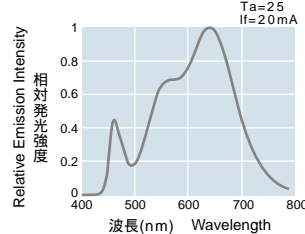
順電流-順電圧特性 Forward Current vs. Forward Voltage



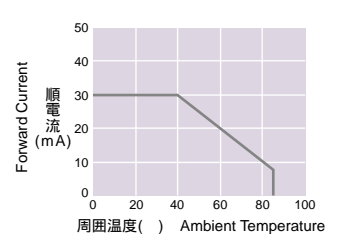
相対光度-順電流特性 Relative Luminosity vs. Forward Current



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



パステルカラー/超広角パステルカラー LED ランプ

Pastel Color / Wide View Angle Pastel Color LED Lamp

SDP Series



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

特長

耐紫外線樹脂
静電気耐圧 ± 3 kV (Min.)
超広角: 5mm逆円錐
広配光角

用途

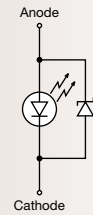
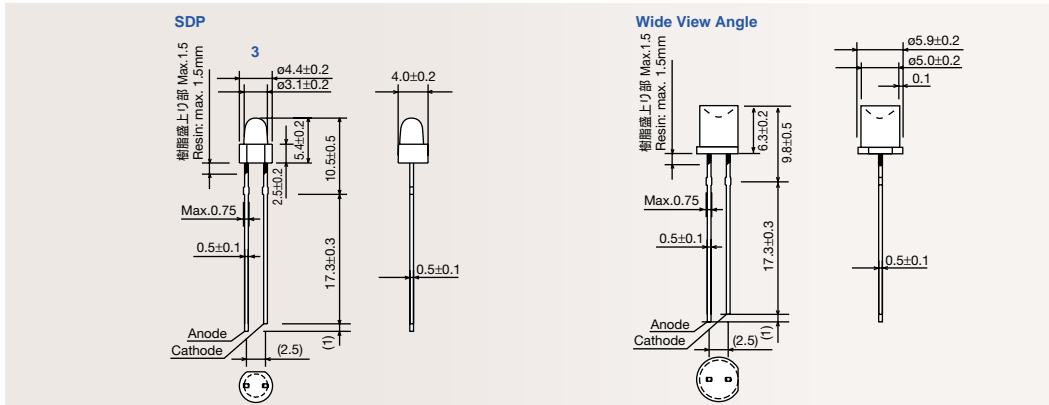
インジケータ、照光スイッチ、懐中電灯等の簡易光源、
ディスプレイ光源、アミューズメント機器の装飾
超広角: イルミネーション、
装飾ランプ、
クリスマスツリー

Features

UV resistant resin
ESD tolerance: ± 3 kV (Min.)
Wide View Angle: 5mm in diameter,
reverse conic
Wide view angle

Applications

Indicators, Illuminated switches, Electric torch light
sources, Display light sources, Decorative lamps for
amusement machines
Wide View Angle: Illuminations,
Decorative lamps,
Christmas tree

外形寸法図**Package Dimensions****回路図**

単位 Unit : mm

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

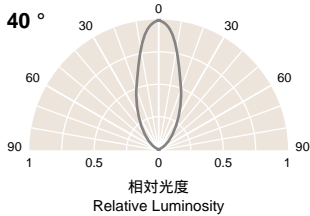
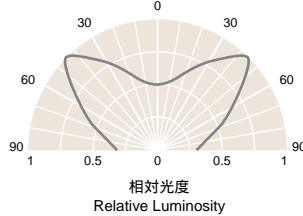
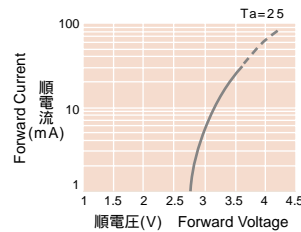
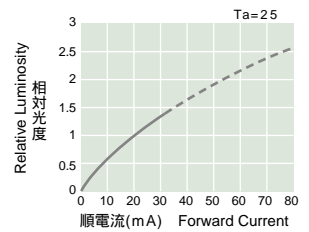
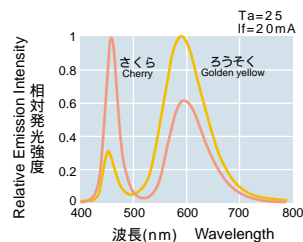
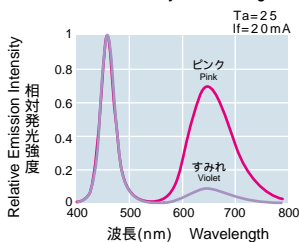
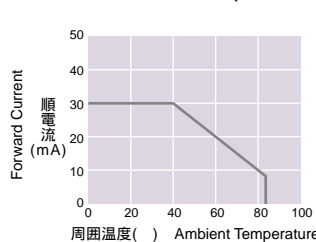
| 許容損失 (mW) Power Dissipation | 順方向電流 (mA) DC Forward Current | パルス順方向電流 (mA) Peak Pulse Forward Current | 逆方向電流 (mA) Reverse Current | 動作温度() Operating Temperature Range | 保存温度() Storage Temperature Range |
|--------------------------------|----------------------------------|---|-------------------------------|--|--------------------------------------|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

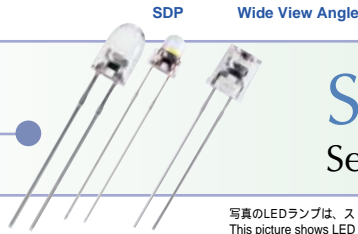
| 発光色 Emitting Color | 品番 Part No. | 指向角 Typical Viewing Angle 2 1/2 | 基準電流 (mA) Standard Current | 光度 (mcd) Luminosity | | 順方向電圧 (V) Forward Voltage | | 逆方向電流 (mA) Reverse Current | | 色度座標 Chromatic Coordinates | | | |
|-----------------------|----------------|---------------------------------------|-------------------------------|------------------------|------|------------------------------|----------------|-------------------------------|-------|-------------------------------|-------|--|--|
| | | | | Typ. | Typ. | Max. | Max. (Vr=0.8V) | Min. | Typ. | Max. | | | |
| ピンク Pink | SDPP31G0C0*** | 40° | 20 | 500 | 3.4 | 3.8 | 120 | x= | 0.300 | 0.340 | 0.380 | | |
| | SDPP52J0C0*** | 140° | | 23 (Min.) | | | | y= | 0.110 | 0.157 | 0.204 | | |
| すみれ Violet | SDPV31G0C0*** | 40° | 500 | 3.4 | 3.8 | 120 | x= | 0.180 | 0.200 | 0.220 | | | |
| | SDPV52J0C0*** | 140° | 53 (Min.) | | | | y= | 0.030 | 0.067 | 0.105 | | | |
| さくら Cherry | SDPU31G0C0*** | 40° | 2500 | 3.4 | 3.8 | 120 | x= | 0.340 | 0.380 | 0.420 | | | |
| | SDPU52J0C0*** | 140° | 53 (Min.) | | | | y= | 0.190 | 0.259 | 0.329 | | | |
| ろうそく Golden yellow | SDPM31G0C0*** | 40° | 2500 | 3.4 | 3.8 | 120 | x= | 0.450 | 0.494 | 0.539 | | | |
| | SDPM52J0C0*** | 140° | 53 (Min.) | | | | y= | 0.370 | 0.400 | 0.431 | | | |

1: 超広角ランプ Wide View Angle

指向代表特性
Directive Characteristics**超広角ランプ**
Wide View Angle**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

単色/超広角単色 LED ランプ

Monochrome / Wide View Angle Monochrome 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

耐紫外線樹脂
静電気耐圧 ±3kV (Min.)
超広角: 5mm逆円錐
広配光角

用途

インジケータ、照光スイッチ、懐中電灯等の簡易光源、
ディスプレイ光源、アミューズメント機器の装飾
超広角: イルミネーション、装飾ランプ、
クリスマスツリー

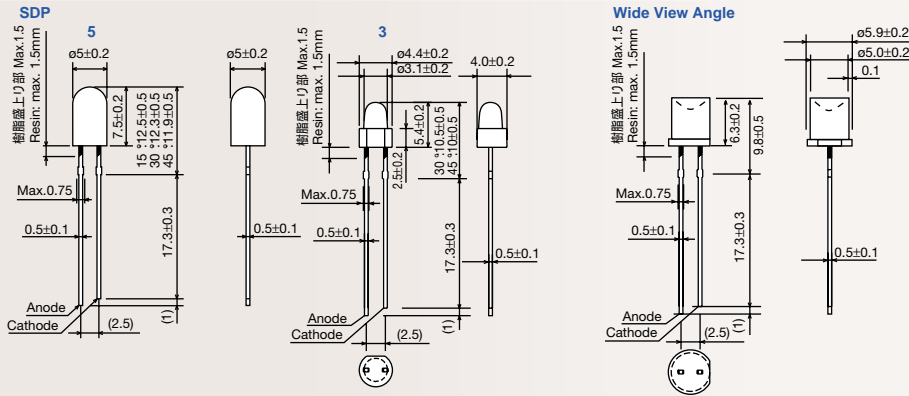
Features

UV resistant resin
ESD tolerance: ±3 kV (Min.)
Wide View Angle: 5mm in diameter, reverse conic
Wide view angle

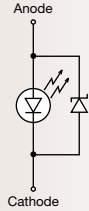
Applications

Indicators, Illuminated switches, Electric torch light sources, Display light sources, Decorative lamps for amusement machines
Wide View Angle: Illuminations, Decorative lamps, Christmas tree

外形寸法図 Package Dimensions



回路図 Circuit Diagram



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

単位 Unit : mm

| 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

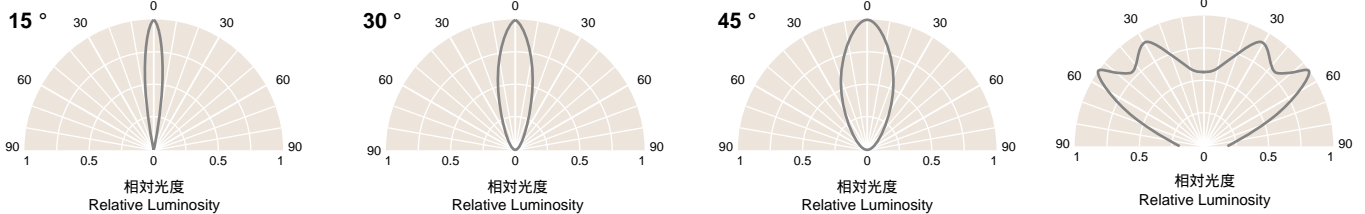
電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

| 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 Max. (Vr=0.8V) | ドミナント波長 (nm) Dom. Wavelength | | |
|-----------------------|-----------------|---|-------------------------------|------------------------|------|------------------------------|------|---|---------------------------------|------|------|
| | | | | Typ. | Max. | Typ. | Max. | | Min. | Typ. | Max. |
| 青 Blue | SDPB50A0C**** | 15° | 20 | 3000 | 3.4 | 3.8 | 120 | 465 | 472 | 480 | |
| | SDPB50C0C**** | 30° | | 1800 | | | | | | | |
| | SDPB50D0C**** | 45° | | 900 | | | | | | | |
| | SDPB31C0C0*** | 30° | | 1600 | | | | | | | |
| | SDPB31D0C0*** | 45° | | 750 | | | | | | | |
| | SDPB52J0C0*** 1 | 140° | | 53 (Min.) | | | | | | | |
| 青緑 Blue-green | SDPC50A0C**** | 15° | | 6000 | 3.3 | 510 | | | | | |
| | SDPC50C0C**** | 30° | | 3600 | | | | | | | |
| | SDPC50D0C**** | 45° | | 1800 | | | | | | | |
| 緑 Green | SDPG50A0C**** | 15° | | 9000 | 3.3 | 535 | | | | | |
| | SDPG50C0C**** | 30° | | 4500 | | | | | | | |
| | SDPG50D0C**** | 45° | | 2700 | | | | | | | |
| | SDPG31C0C0*** | 30° | 3750 | | | | | | | | |
| | SDPG31D0C0*** | 45° | 2500 | | | | | | | | |
| | SDPG52J0C0*** 1 | 140° | 80 (Min.) | | | | | | | | |

1: 超広角ランプ Wide View Angle

指向代表特性

Directive Characteristics

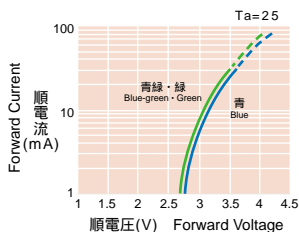


超広角ランプ

Wide View Angle

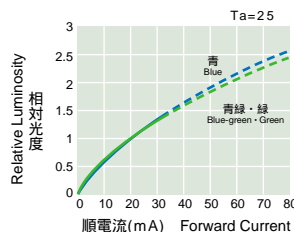
順電流-順電圧特性

Forward Current vs. Forward Voltage



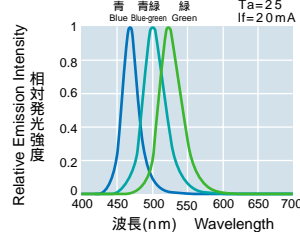
相対光度-順電流特性

Relative Luminosity vs. Forward Current



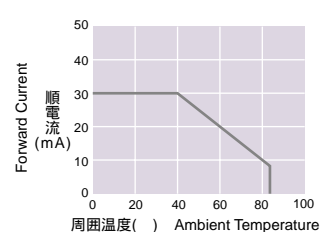
発光スペクトル

Relative Emission Intensity vs. Wavelength



順電流-周囲温度特性

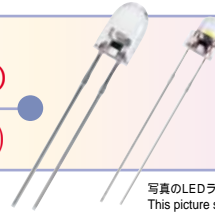
Forward Current vs. Ambient Temperature



単色 LED ランプ (ダブルツェナーダイオード)

Monochrome LED Lamp (Double Zener Diodes)

SDQ 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

- 耐紫外線樹脂
- 静電気耐圧 ±3kV (Min.)
- マトリクス回路等使用時の回り込み電流をカット

用途

- インジケータ、照光スイッチ、懐中電灯等の簡易光源、ディスプレイ光源、アミューズメント機器の装飾

Features

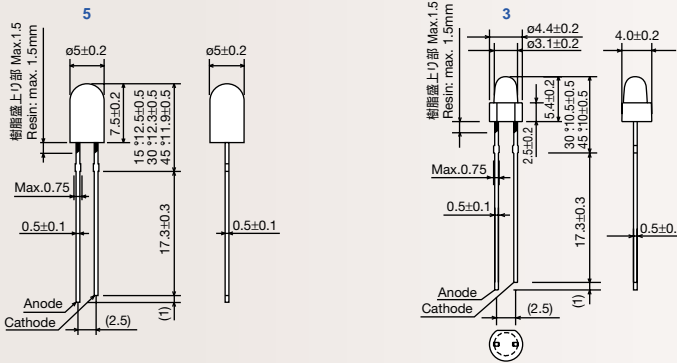
- UV resistant resin
- ESD tolerance: ±3 kV (Min.)
- Prevention of current leakage in matrix circuitry

Applications

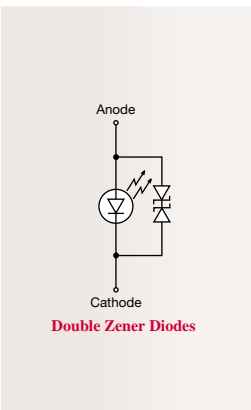
- Indicators, Illuminated switches, Electric torch light sources, Display light sources, Decorative lamps for amusement machines

外形寸法図

Package Dimensions



回路図



単位 Unit : mm

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

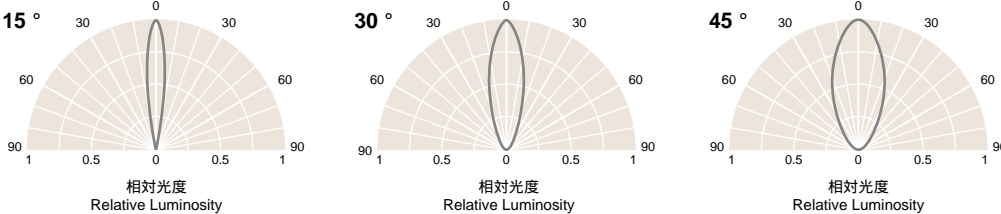
| 許容損失 (mW) Power Dissipation | 順方向電流 (mA) DC Forward Current | パルス順方向電流 (mA) Peak Pulse Forward Current | 逆方向電圧 (V) Reverse Voltage | 動作温度 () Operating Temperature Range | 保存温度 () Storage Temperature Range |
|--------------------------------|----------------------------------|---|------------------------------|---|---------------------------------------|
| 120 | 30 | 100 | 5 | - 35 ~ + 85 | - 40 ~ + 100 |

: Duty 1/10 Pulse Width 10ms

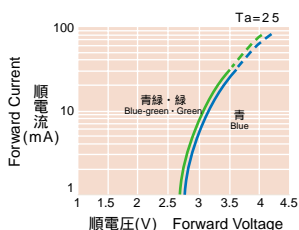
電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

| 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 (μA) Reverse Current Max. (Vr=5.0V) | ドミナント波長 (nm) Dom. Wavelength | | |
|-----------------------|----------------|---------------------------------------|-------------------------------|------------------------|------|------------------------------|------|---|---------------------------------|------|------|
| | | | | Typ. | Max. | Typ. | Max. | | Min. | Typ. | Max. |
| 青 Blue | SDQB50A0C**** | 15° | 20 | 3000 | 3.4 | 3.4 | 50 | 465 | 472 | 480 | |
| | SDQB50C0C**** | 30° | | | | | | | | | 1800 |
| | SDQB50D0C**** | 45° | | | | | | | | | 900 |
| | SDQB31C0C0*** | 30° | | | | | | | | | 1600 |
| | SDQB31D0C0*** | 45° | | | | | | | | | 750 |
| 青緑 Blue-green | SDQC50A0C**** | 15° | | 6000 | 3.8 | 3.8 | 50 | 495 | 502 | 510 | |
| | SDQC50C0C**** | 30° | | 3600 | | | | | | | |
| | SDQC50D0C**** | 45° | | 1800 | | | | | | | |
| 緑 Green | SDQG50A0C**** | 15° | | 2500 | 3.3 | 3.3 | 50 | 520 | 527 | 535 | |
| | SDQG50C0C**** | 30° | | | | | | | | | 4500 |
| | SDQG50D0C**** | 45° | | | | | | | | | 2700 |
| | SDQG31C0C0*** | 30° | | | | | | | | | 3750 |
| | SDQG31D0C0*** | 45° | | | | | | | | | 2500 |

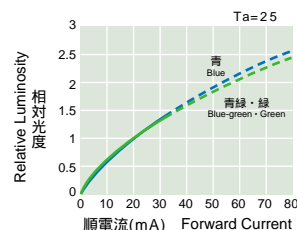
指向代表特性 Directive Characteristics



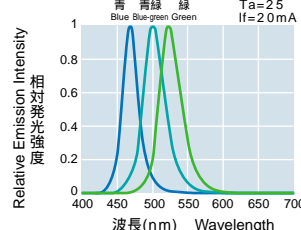
順電流-順電圧特性 Forward Current vs. Forward Voltage



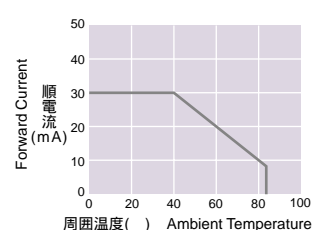
相対光度-順電流特性 Relative Luminosity vs. Forward Current



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

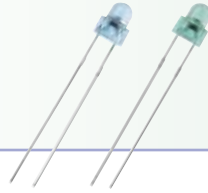


順電流-周囲温度特性 Forward Current vs. Ambient Temperature



広角着色 LED ランプ

Wide View Angle Colored LED Lamp



SDP Series



特長

耐紫外線樹脂
静電気耐圧 ±3kV (Min.)

用途

インジケータ
照光スイッチ
懐中電灯等の簡易光源
ディスプレイ光源
アミューズメント機器の装飾

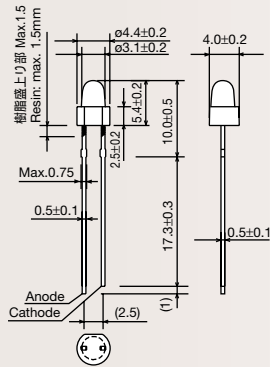
Features

UV resistant resin
ESD tolerance: ±3 kV (Min.)

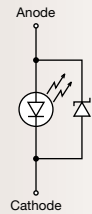
Applications

Indicators
Illuminated switches
Electric torch light sources
Display light sources
Decorative lamps for amusement machines

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 |

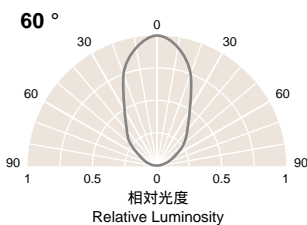
: Duty 1/10 Pulse Width 10ms

電氣的・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 Max. (Vr=0.8V) | ドミナント波長 (nm) Dom. Wavelength | | |
|-----------------------|----------------|---------------------------------------|-------------------------------|------------------------|------|------------------------------|------|---|---------------------------------|------|------|
| | | | | Typ. | Max. | Typ. | Max. | | Min. | Typ. | Max. |
| 青 Blue | SDPB31H3C0*** | 60 ° | 20 | 750 | 3.8 | 3.4 | 120 | 460 | 465 | 470 | |
| 緑 Green | SDPG31H3C0*** | | | 2500 | | 3.3 | | 520 | 525 | 530 | |

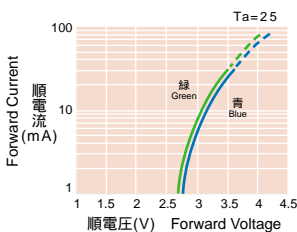
指向代表特性

Directive Characteristics



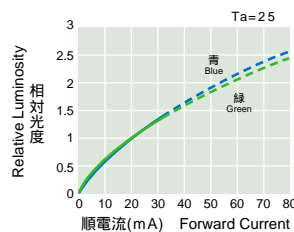
順電流-順電圧特性

Forward Current vs. Forward Voltage



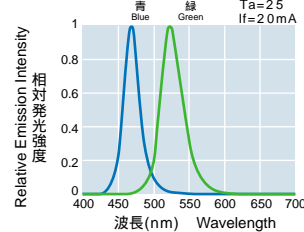
相対光度-順電流特性

Relative Luminosity vs. Forward Current



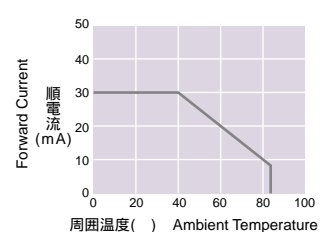
発光スペクトル

Relative Emission Intensity vs. Wavelength



順電流-周囲温度特性

Forward Current vs. Ambient Temperature



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 × 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

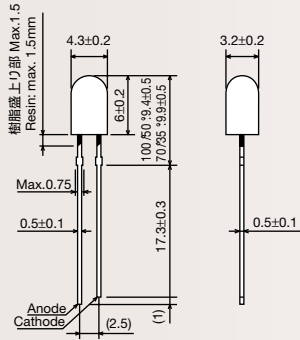
Features

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

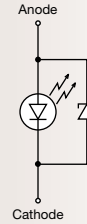
Applications

- 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

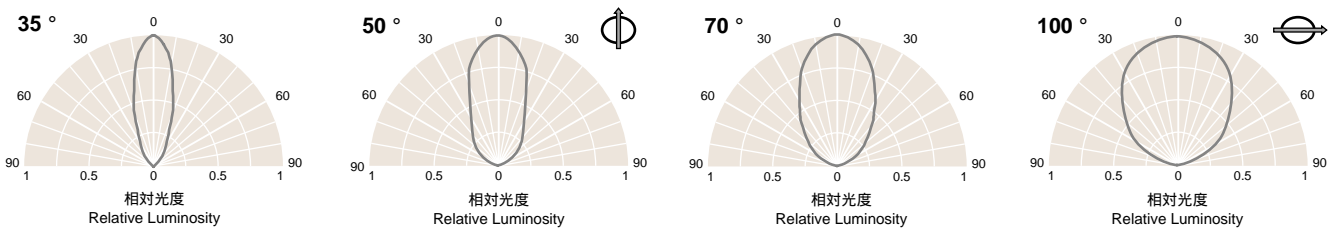
| 許容損失 (mW) Power Dissipation | 順方向電流 (mA) DC Forward Current | パルス順方向電流 (mA) Peak Pulse Forward Current | 逆方向電流 (mA) Reverse Current | 動作温度 () Operating Temperature Range | 保存温度 () Storage Temperature Range |
|----------------------------------|------------------------------------|---|---------------------------------|---|---------------------------------------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

: Duty 1/10 Pulse Width 10ms

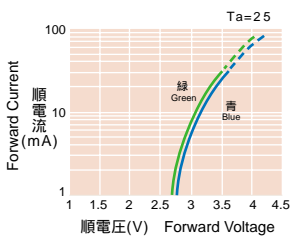
電気的・光学的特性 (Ta=25) Electro-Optical Characteristics

| 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 | 3.4 | 3.8 | 120 | Max. (Vr=0.8V) | 465 | 472 | 480 |
| | SDPB40K3C**** | 70° / 35° | | 700 | | | | | 520 | 527 | 535 |
| 緑 Green | SDPG40F2C**** | 100° / 50° | | 750 | 3.3 | | | | 520 | 527 | 535 |
| | SDPG40K3C**** | 70° / 35° | | 1440 | | | | | | | |

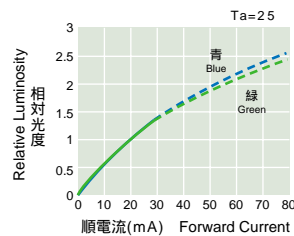
指向代表特性 Directive Characteristics



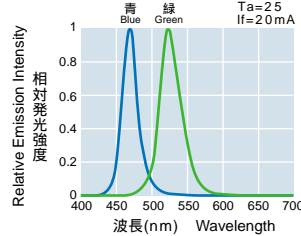
順電流-順電圧特性 Forward Current vs. Forward Voltage



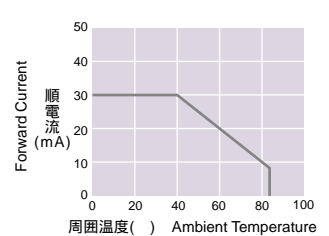
相対光度-順電流特性 Relative Luminosity vs. Forward Current



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



楕円型 LED ランプ

Oval LED Lamp



SDL 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.

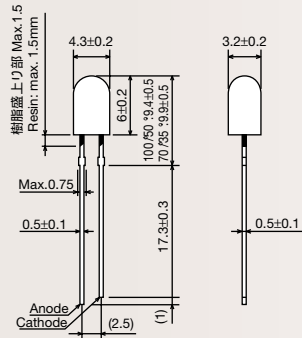
特長
小型楕円 (4.3 x 3.2)
耐紫外線樹脂
赤 超高輝度

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 |

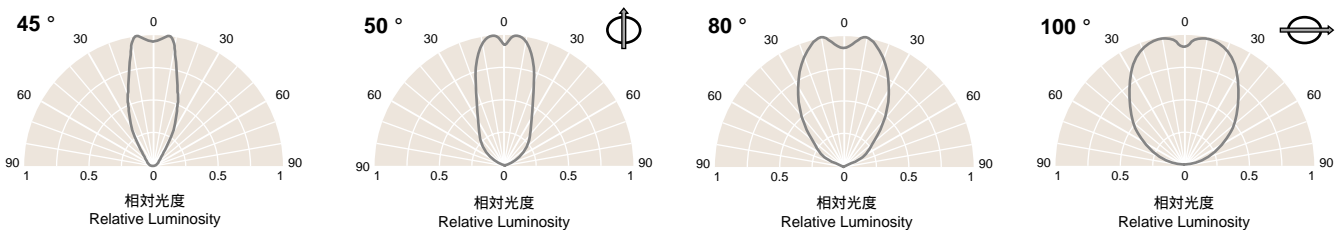
: Duty 1/10 Pulse Width 10ms

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

| 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 (μA) Reverse Current | ドミナント波長 (nm) Dom. Wavelength | | |
|-----------------------|----------------|---------------------------------------|-------------------------------|------------------------|------------------------------|------|-------------------------------|---------------------------------|------|------|
| | | | | 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 | | | | | | |

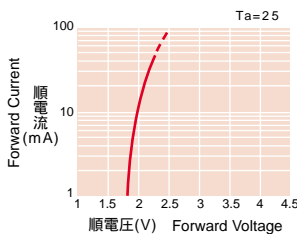
指向代表特性

Directive Characteristics



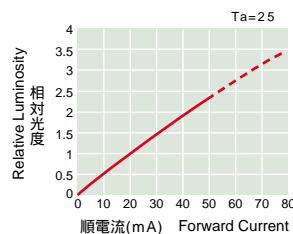
順電流-順電圧特性

Forward Current vs. Forward Voltage



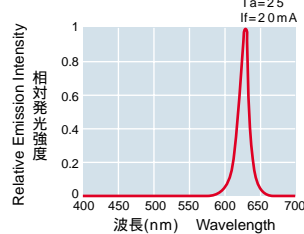
相対光度-順電流特性

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

