

LED

LAMP

Absolute Maximum Ratings

| Parameter | Symbol | Value | | Unit |
|-----------------------|--------|---------------|-----------------|------|
| | | 5C35E/YXXC-1C | 5CXXG/B/WXXC-1C | |
| Forward Current | IF | 25 | 25 | mA |
| Peak Forward Current | IFP | 150 | 100 | mA |
| Reverse Voltage | VR | 5 | | V |
| Operating Temperature | Topr | -30 to +65 | | °C |
| Storage Temperature | Tstg | -30 to +85 | | °C |
| Soldering Temperature | Tsld | 260±5 | | °C |

Note: *1:IFP Conditions --- Pulse Width \leq 1msec and Duty \leq 1/10.
 *2:Soldering time \leq 5 seconds.

Feature

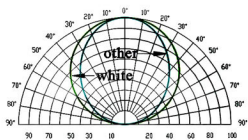
- 5Φ Round Package
 - Water Clear
 - Viewing Angle
- (2Φ 1/2:White 120°, Other 100°)

Applications

RED YELLOW GREEN BLUE WHITE

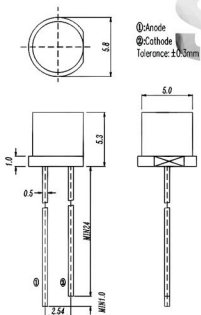
electrical appliances,
architectural and decorating lighting

Radiation Diagram



Outline Dimensions

(Unit:mm)



Characteristics

(Ta = 25°C)

| 5C35EXXC-1C | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|--------|------------|------|------|------|------|
| Forward Voltage | Red | VF | IF=20mA | - | 2.0 | 2.5 | V |
| Reverse Current | | IR | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | Iv | IF=20mA | 60 | - | 800 | mcd |
| Dominant Wavelength | | λd | IF=20mA | 610 | - | 640 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 16 | - | nm |

| 5C35YXXC-1C | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|--------|--------|------------|------|------|------|------|
| Forward Voltage | Yellow | VF | IF=20mA | - | 2.0 | 2.5 | V |
| Reverse Current | | IR | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | Iv | IF=20mA | 60 | - | 800 | mcd |
| Dominant Wavelength | | λd | IF=20mA | 580 | - | 597 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 16 | - | nm |

| 5C35GXCC-1C | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|--------|------------|------|------|------|------|
| Forward Voltage | Green | VF | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | IR | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | Iv | IF=20mA | 150 | - | 2100 | mcd |
| Dominant Wavelength | | λd | IF=20mA | 500 | - | 535 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 35 | - | nm |

| 5C35BXXC-1C | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|--------|------------|------|------|------|------|
| Forward Voltage | Blue | VF | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | IR | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | Iv | IF=20mA | 50 | - | 800 | mcd |
| Dominant Wavelength | | λd | IF=20mA | 450 | - | 480 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 30 | - | nm |

| 5C41WXXC-1C | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|--------------------------|-------|--------|------------|------|------|------|------|
| Forward Voltage | White | VF | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | IR | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | Iv | IF=20mA | 120 | - | 1800 | mcd |
| Chromaticity Coordinates | | X | IF=20mA | 0.24 | - | 0.36 | |
| | | Y | IF=20mA | 0.25 | - | 0.37 | |