

LED LAMP

Absolute Maximum Ratings

| Parameter | Symbol | Value | | Unit |
|-----------------------|-------------------|---------------|-----------------|------|
| | | 5R35E/YXXC-8B | 5RXXG/B/WXXC-8B | |
| Forward Current | IF | 25 | 25 | mA |
| Peak Forward Current | IFP | 150 | 100 | mA |
| Reverse Voltage | VR | 5 | | V |
| Operating Temperature | T _{opr} | -30 to +65 | | °C |
| Storage Temperature | T _{stg} | -30 to +85 | | °C |
| Soldering Temperature | T _{slid} | 260±5 | | °C |

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

Feature

- 5Φ Round Package
- Water Clear
- Viewing Angle

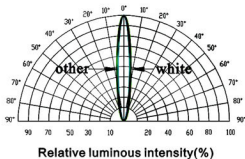
(2Φ 1/2:White 15°, Other 10°)

Applications

RED YELLOW GREEN BLUE WHITE

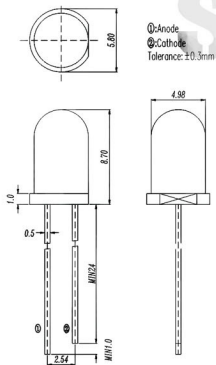
electrical appliances,
architectural and decorating lighting

Radiation Diagram



Outline Dimensions

(Unit:mm)



Characteristics

(Ta = 25°C)

| 5R35EXXC-8B | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|----------------|------------|------|------|-------|------|
| Forward Voltage | Red | V _F | IF=20mA | - | 2.0 | 2.5 | V |
| Reverse Current | | I _R | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | I _v | IF=20mA | 1000 | - | 18000 | md |
| Dominant Wavelength | | λ _d | IF=20mA | 610 | - | 640 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 16 | - | nm |

| 5R35YXXC-8B | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|--------|----------------|------------|------|------|-------|------|
| Forward Voltage | Yellow | V _F | IF=20mA | - | 2.0 | 2.5 | V |
| Reverse Current | | I _R | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | I _v | IF=20mA | 600 | - | 18000 | md |
| Dominant Wavelength | | λ _d | IF=20mA | 580 | - | 597 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 16 | - | nm |

| 5R35GXCC-8B | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|----------------|------------|------|------|-------|------|
| Forward Voltage | Green | V _F | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | I _R | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | I _v | IF=20mA | 2000 | - | 25000 | md |
| Dominant Wavelength | | λ _d | IF=20mA | 500 | - | 535 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 35 | - | nm |

| 5R35BXXC-8B | Color | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|---------------------|-------|----------------|------------|------|------|-------|------|
| Forward Voltage | Blue | V _F | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | I _R | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | I _v | IF=20mA | 800 | - | 18000 | md |
| Dominant Wavelength | | λ _d | IF=20mA | 450 | - | 480 | nm |
| Half Bandwidth | | Δλ | IF=20mA | - | 30 | - | nm |

| 5R41WXXC-8B | Color | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------------|-------|----------------|-----------|------|------|-------|------|
| Forward Voltage | White | V _F | IF=20mA | - | 3.2 | 4.0 | V |
| Reverse Current | | I _R | VR=5V | - | - | 10 | μA |
| Luminous Intensity | | I _v | IF=20mA | 1800 | - | 22000 | md |
| Chromaticity Coordinates | | X | IF=20mA | 0.24 | - | 0.36 | |
| | | Y | IF=20mA | 0.25 | - | 0.37 | |