



LED

φ5mm Round LED for Traffic Sign

FEATURES:

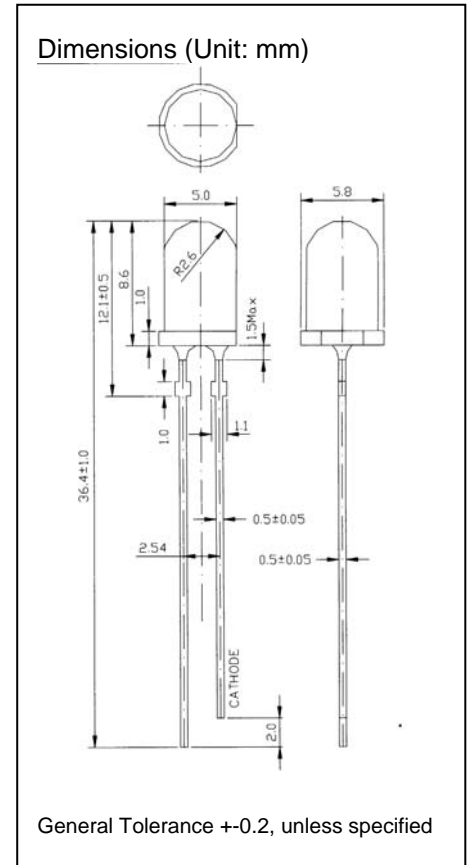
- Viewing angle 23°
- For LED Traffic Sign
- UV resistant epoxy



Absolute Max Ratings (Ta=25°C):

| Parameter | Symbol | Value | |
|------------------------------|--------|--------------|-----|
| | | Green / Blue | Red |
| Power Dissipation (mW) | PD | 100 | 125 |
| DC Forward Current (mA) | IF | 30 | 50 |
| Pulsed Forward Current* (mA) | IFP | 100 | 150 |
| Reverse Voltage (V) | VR | 5 | 5 |
| Operating Temperature (°C) | Topr | -30 ~ +80 | |
| Storage Temperature (°C) | Tstg | -40 ~ +100 | |

* Duty 1/10 Pulse Width 0.1ms



Electrical Optical Characteristics (Ta=25°C):

| Part Number | Luminous Intensity (mcd) | | | Forward Voltage (V) | | | Dominant Wavelength (nm) | | | Reverse Current (μA) | |
|-------------|--------------------------|------|--------|---------------------|-----|--------|--------------------------|-----|--------|----------------------|-------|
| | Min | Max | IF(mA) | Type | Max | IF(mA) | Min | Max | IF(mA) | Max | VR(V) |
| R05TRCD-S1 | 3200 | 5500 | 20 | 2.2 | 2.6 | 20 | 620 | 625 | 20 | 5 | 5 |
| | | | | | | | 625 | 630 | | | |
| R05URCD-S3 | 2500 | 4200 | 20 | 2.0 | 2.2 | 20 | 620 | 625 | 20 | 5 | 5 |
| | | | | | | | 625 | 630 | | | |
| R05TYCD-S1 | 3200 | 5500 | 20 | 2.2 | 2.6 | 20 | 587 | 590 | 20 | 5 | 5 |
| | | | | | | | 590 | 593 | | | |
| R05UYCD-S1 | 4200 | 7200 | 20 | 2.0 | 2.2 | 20 | 587 | 590 | 20 | 5 | 5 |
| | | | | | | | 590 | 593 | | | |
| R05HCD-S1 | 4200 | 7200 | 20 | 3.2 | 3.6 | 20 | 498 | 503 | 20 | 10 | 5 |
| | | | | | | | 503 | 508 | | | |

Luminous Intensity Rank:

Pls refer to standard Bin Grade in page LE-**

Package:

Bulk: 500 pcs/bag

Taping: 2,000 pcs/reel

Precaution in handling:

1. It is advised to keep 3.5mm minimum clearance between the resin and the soldering point when soldering.
2. The user is required to handle with care for the Bluish-Green LED's which are sensitive to ESD.

Directive Characteristics

