

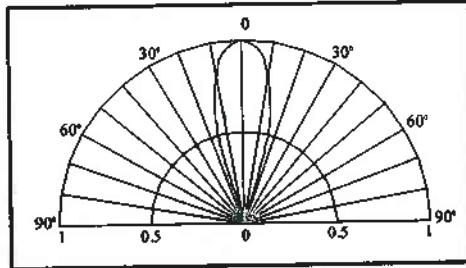
Round

Traffic Signal LED



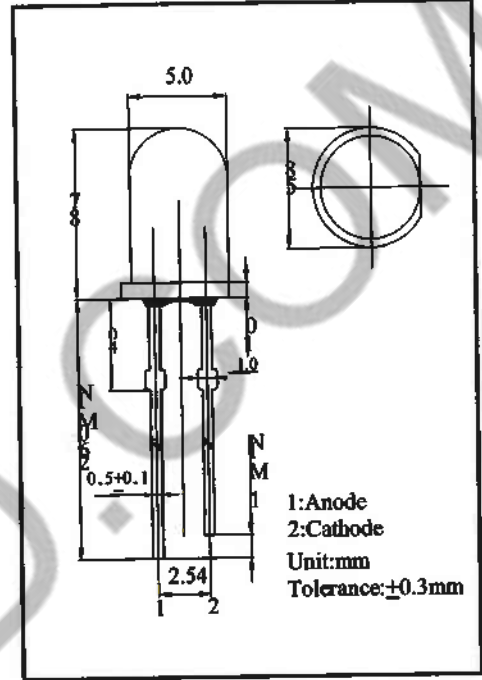
Characters

- Viewing angle 30 deg
- Directive Characteristics



Relative Luminous Intensity

Package Outlines (Unit : mm)



Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | | Unit |
|-----------------------|-----------|-------------------|-------------------|------|
| | | G | R/Y | |
| DC Forward Current | I_F | 30 | 50 | mA |
| Pulse Forward Current | I_{FP} | 100* ¹ | 120* ¹ | mA |
| Reverse Voltage | V_R | 5 | 5 | V |
| Power Dissipation | P_D | 108 | 120 | mW |
| Operating Temperature | T_{opr} | -30~+85 | -30~+85 | °C |
| Storage Temperature | T_{stg} | -40~+100 | -40~+100 | °C |

*1 Duty 1/10 Pulse Width 10 ms

Electrical And Optical Characteristics (Ta=25°C)

| Part Number ^{*2} | Emitting Color | Lens Type | Forward Voltage VF(V) | | Dominant Wavelength wd(nm) ^{*5} | | Luminous Intensity (mcd) ^{*3} | | Reverse Current IR(uA) |
|---------------------------|----------------|-------------|--------------------------|------|--|------|--|-------|------------------------|
| | | | Working Current: IF=20mA | | | | | | |
| | | | Typ. | Max. | Typ. | Max. | Typ. | Max. | |
| LTS5G-LBG6C | Bluish Green | Water Clear | 3.1 | 3.6 | 505 | 510 | 12000 | 14400 | <10 |
| LTS5R-SR6C | Red | Water Clear | 2.1 | 2.4 | 624 | 629 | 7000 | 8400 | <10 |
| LTS5Y-SY6C | Yellow | Water Clear | 2.1 | 2.4 | 590 | 595 | 7000 | 8400 | <10 |
| LTS5R-LR6C | Red | Water Clear | 2.1 | 2.4 | 624 | 629 | 10000 | 12000 | <10 |
| LTS5Y-LY6C | Yellow | Water Clear | 2.1 | 2.4 | 590 | 595 | 10000 | 12000 | <10 |

*2 See table for Luminous Intensity Ranks

*3 Axial Direction (Luminous Intensity)

*4 Please refer to CIE 1931 chromaticity diagram

*5 Devices are sorted by 5nm wavelength ranges