

Features:

- ✧ Small Size (2.0 x 1.25 x 0.8 mm)
- ✧ Industry Standard Footprint
- ✧ Compatible with IR Solder Process
- ✧ Available in 8 mm tape on 178 mm Diameter Reels
- ✧ Low Profile
- ✧ Several Colors Available

Absolute Maximum Ratings at T_A = 25°C

| | |
|--|----------------------------|
| Reverse Voltage (<100 mA) | AlGaInP 4.0 V, Others 5.0V |
| D.C. Forward Current | 30mA |
| Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100mA |
| Operating Temperature Range | -30°C To +85°C |
| Storage Temperature Range | -40°C To +85°C |
| Soldering Temperature | 260°C For 5 Sec. |

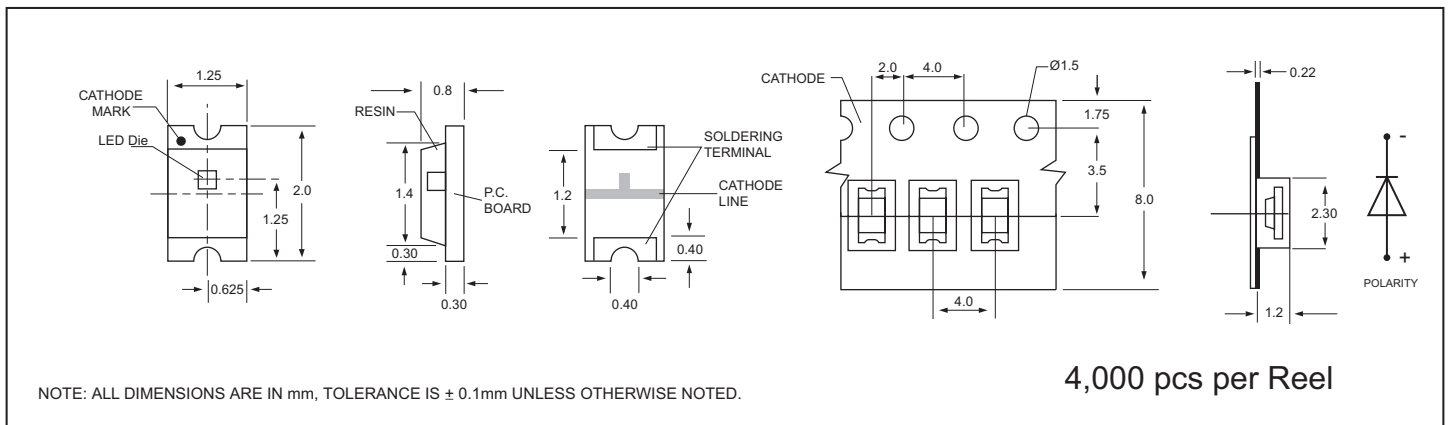
Applications:

- ✧ LCD backlighting
- ✧ Push-button / Keypad backlighting
- ✧ Symbol backlighting
- ✧ Strip lighting
- ✧ Automobile front panel indicating and backlighting
- ✧ Miniature Dot Matrix displays

Electrical / Optical Characteristics at T_A = 25°C

| Part Number | LED Chip | | Lens Color | Peak WaveLength @20 mA (nm) | Forward Voltage @20mA (V) | | Luminous Intensity @20mA Iv(mcd) | | View Angle 2Ø1/2(Deg) |
|------------------|----------|-----------------|------------|-----------------------------|---------------------------|------|----------------------------------|------|-----------------------|
| | Material | Emitting Color | | | Typ. | Max. | Min. | Typ. | |
| GB-SM0805UYGW-TR | AllnGaP | UB Yellow Green | W.D. | 574 | 2.0 | 2.4 | 25.0 | 40.0 | 140 |
| GB-SM0805UYW-TR | AllnGaP | UB Yellow | W.D. | 593 | 1.9 | 2.4 | 25.0 | 60.0 | 140 |
| GB-SM0805UAW-TR | AllnGaP | UB Amber | W.D. | 610 | 1.9 | 2.4 | 25.0 | 60.0 | 140 |
| GB-SM0805USW-TR | AllnGaP | UB Orange Red | W.D. | 635 | 1.9 | 2.4 | 25.0 | 60.0 | 140 |
| GB-SM0805UBW-TR | InGaN | Blue | W.D. | 468 | 3.3 | 3.9 | 25.0 | 40.0 | 140 |
| GB-SM0805UPGW-TR | InGaN | Pure Green | W.D. | 525 | 3.3 | 3.9 | 63 | 130 | 140 |
| GB-SM0805UWC-TR | InGaN | White | W.D. | X=0.29 Y=0.31 | 3.3 | 3.9 | --- | 285 | 140 |

W.D. = WHITE DIFFUSED

Package Outline And Tape Dimension


Specifications are subject to change without notice.