

SMD LED

(0805 TYPE)

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

Applications:

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

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

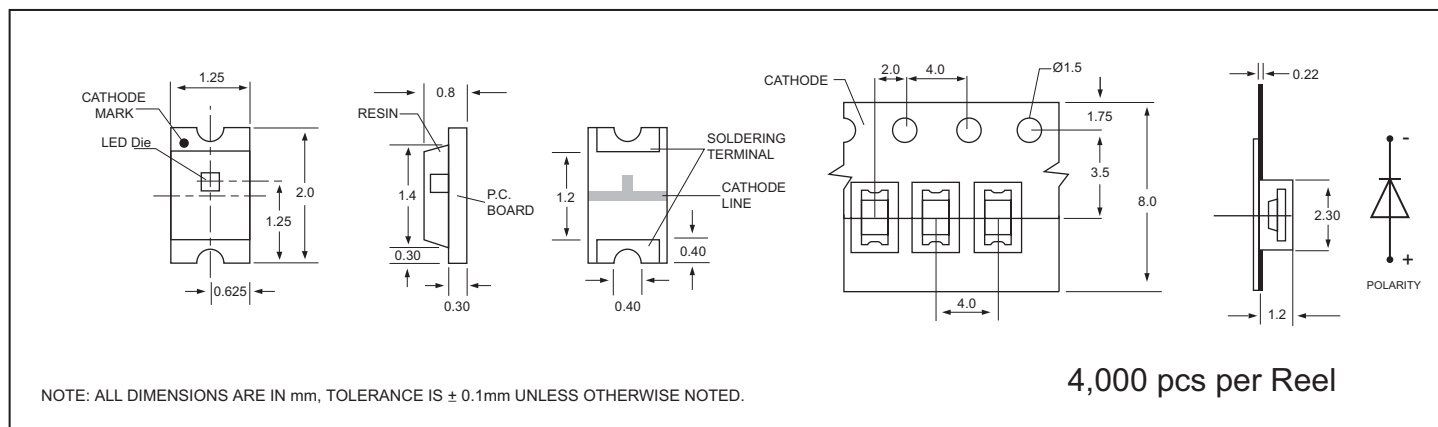
Reverse Voltage (<100 mA)	AlGaInP 4.0 V, Others 5.0V
D.C. Forward Current	30mA
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-30°C To +85°C
Storage Temperature Range	-40°C To +85°C
Soldering Temperature	260°C For 5 Sec.

Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

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	AlInGaP	UB Yellow Green	W.D.	574	2.0	2.4	25.0	40.0	140
GB-SM0805UYW-TR	AlInGaP	UB Yellow	W.D.	593	1.9	2.4	25.0	60.0	140
GB-SM0805UAW-TR	AlInGaP	UB Amber	W.D.	610	1.9	2.4	25.0	60.0	140
GB-SM0805USW-TR	AlInGaP	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.