

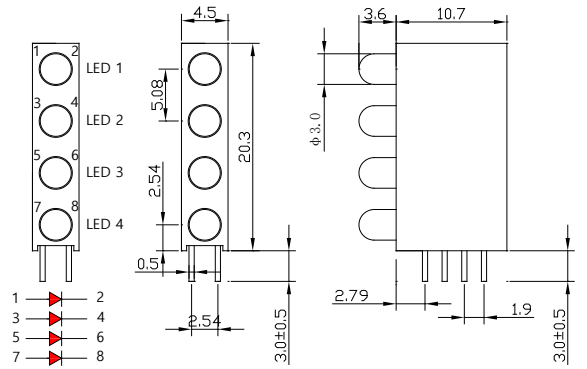
■Features

- High Luminous Intensity
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Red Diffused Type
- Holder Color: Black

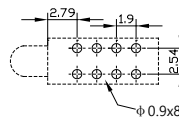
■Applications

- Indicate Lamp
- Toys/Games/ Audio
- Other Lighting

■Outline Dimension



Recommended PCB layout



Unit: mm
Tolerance: ±0.3mm
unless otherwise noted

Holder to UL94 V-2 flammability ratings

LED+Holder Outline Dimension

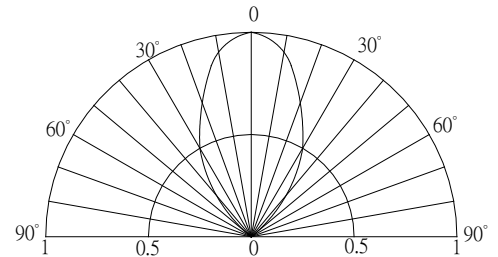
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current#	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	78	mW
Operating Temperature	T _{opr}	-30~+85	°C
Storage Temperature	T _{stg}	-40~+100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbo	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =20mA	-	2.1	2.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D	I _F =20mA	630	640	650	nm
Luminous Intensity*3	I _v	I _F =20mA	68	100	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	60	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%