

8mm Round Infrared LED

LSTW8IFRD

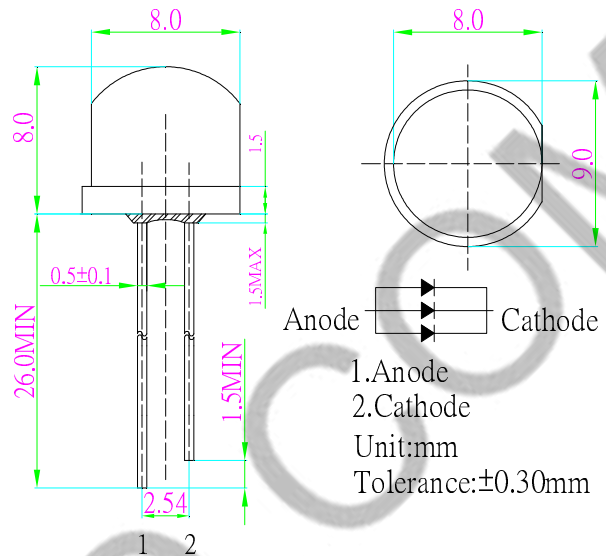
■ Features

- High Luminous LEDs
- 8mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Backlighting (Illuminated advertising, general lighting, etc)
- Interior and exterior automotive lighting
- Traffic signaling / Beacons
- Other Lighting

■ Outline Dimension



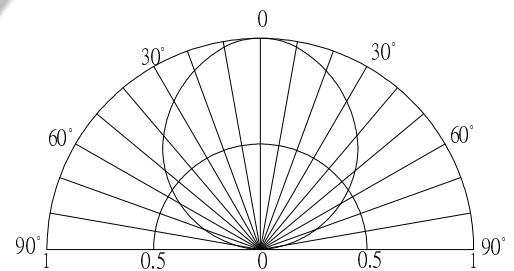
■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	150	mA
Pulse Forward Current#	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	270	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	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*	V _F	I _F =50mA	-	1.4	1.8	V
DC Reverse Current	I _R	V _R =5V	-	-	30	μA
Peak Wavelength*	λ _p	I _F =50mA	-	940	-	nm
Radiant Intensity*	I _e	I _F =50mA	68	100	-	mW/sr
50% Power Angle	2θ _{1/2}	I _F =50mA	-	110	-	deg

*1 Tolerance of measurements of Peak wavelength is ±1nm

*2 Tolerance of measurements of Radiant power is ±15%

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



ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES