

Model No. ALS855SL-550G

Point Source LED
 $\Delta\lambda 850\text{nm}$

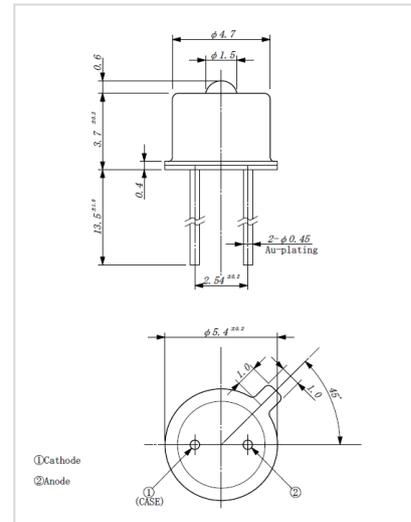
RoHS Compliant

◆ **FEATURES**

- Point-source LED
- High Reliability in Demanding Environment

◆ **APPLICATIONS**

- Optical Switch
- Optical Instrument



Dimensions (Unit:mm)

◆ **Absolute Maximum Ratings**

Ta = 25°C

Parameter	Symbol	Value	Unit
Forward Current (DC)	I _F	80	mA
Pulse Forward Current *1	I _{FP}	0.4	A
Reverse Voltage (DC)	V _R	5	V
Power Dissipation	P _D	150	mW
Operating Temperature	T _{opr}	-30 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +125	°C
Junction Temperature	T _j	100	°C
Lead Soldering Temperature *2	T _{ls}	260	°C

*1 : Tw = 10 μs, T=10mS *2 : within 5sec / up to 3.0mm from the body

◆ **Electro-optical Characteristics**

Ta = 25°C

Parameter	Symbol	MIN	TYP	MAX	Unit	Conditions
Power Output	P _O	2.5	3.5	--	mW	I _F =50mA
Forward Voltage	V _F	--	2.0	2.4	V	I _F =50mA
Reverse Current	I _R	--	--	10	μA	V _R = 5V
Peak Wavelength	λ _p	--	850	--	nm	I _F =50mA
Spectral Line Half Width	Δλ	--	45	--	nm	I _F =50mA
Half Intensity Beam Angle	θ	--	±15	--	deg.	I _F =50mA

Soldering condition

Tip temperature : 320°

Within 2seconds

Position: Over 2mm from the roots of lead