

TAIWAN OASIS LED DATA SHEET

Part No.TOL-50bSYkCEa-OSM



- ◆Pb Free product
- ◆Super Yellow Emitting LED.
- ◆High Efficiency LED, $\phi 5\text{mm}$, Water Clear Package.
- ◆The device are made with InGaAlP Light Emitting Diode .
- ◆RoHS compliant

Absolute Maximum Ratings

Tamb=25° C, unless otherwise specified

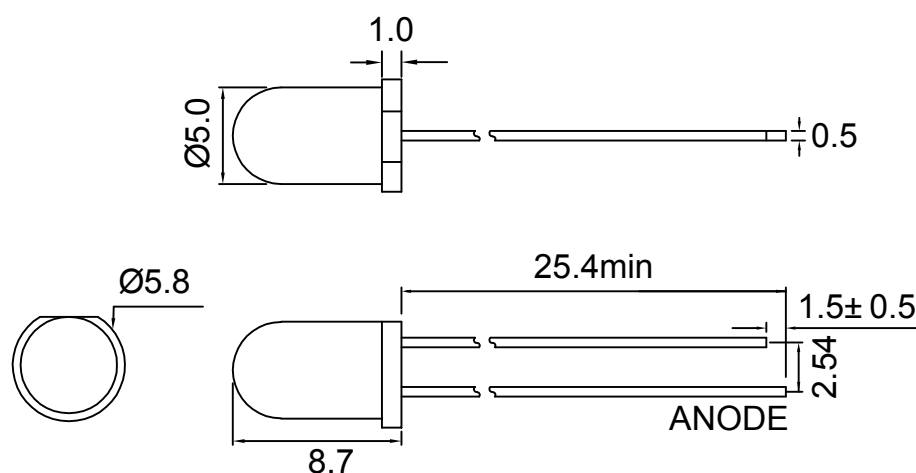
Parameter	Test condition	Symbol	Value	Unit
DC Forward current		If	20	mA
Peak Forward current	1/10 duty cycle@1kHz	Ifp	100	mA
Power dissipation	Tamb≤60°C	Pv	105	mW
Junction temperature		Tj	85	° C
Operating temperature range		Tamb	-40~85	° C
Storage temperature range		Tstg	-40~100	° C
Soldering temperature	3≤t≤5s, 2mm from body	Tsd	260	° C

Optical and Electrical Characteristics

Tamb=25° C, unless otherwise specified

Parameter	Test condition	symbol	Min.	Typ.	Max.	unit
Dominant Wavelength	If=20mA	λ_d		592		nm
Spectrum Half Width	If=20mA	$\Delta\lambda$		20		nm
Forward Voltage	If=20mA	Vf		2.2	2.5	v
Reverse Current	Vr=5v	IR			10	μA
Luminous Intensity	If=20mA	Iv	3000	6000		mcd
Full viewing angle	If=20mA	2 θ 1/2		30		deg.

Package dimensions & Internal Circuit Diagram



Unit	mm
Scale	—
Rev.	draft
Tolerance	± 0.25 angle± 5°

Drawner	yinyue
Checked	
Approved	

We reserve the right to change to improve technical design and may do so without further notice.