

# TAIWAN OASIS LED DATA SHEET



Part No.TOL-50aHRaDEa

- ◆Pb Free Products.
- ◆Red Emitting LED.
- ◆High Efficiency LED, Ø5mm, Red Diffused Package.
- ◆The device are made with GaP/GaP Light Emitting Diode .
- ◆ROHS compliant

## Absolute Maximum Ratings

Tamb=25° C, unless otherwise specified

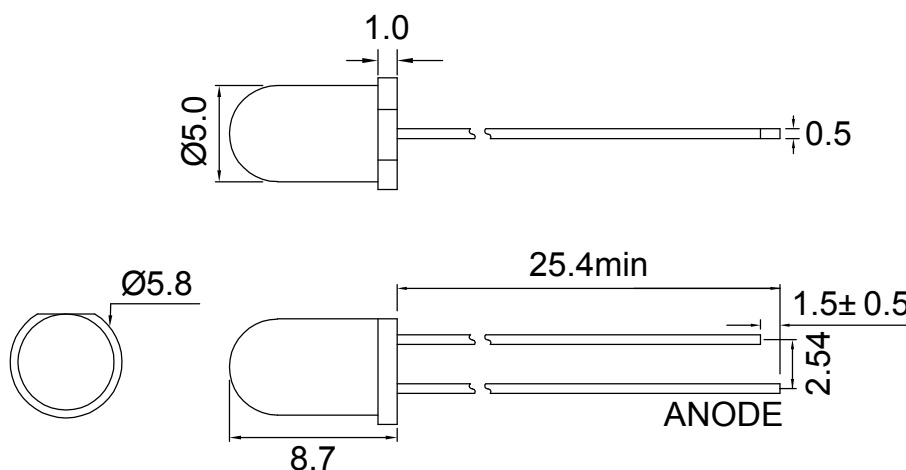
Parameter	Test condition	Symbol	Value	Unit
DC Forward current		If	20	mA
Peak Forward current	1/10 duty cycle@1kHz	Ifp	100	mA
Power dissipation	Tamb≤60°C	Pv	75	mW
Junction temperature		Tj	85	° C
Operating temperature range		Tamb	-40~85	° C
Storage temperature range		Tstg	-40~100	° C
Soldering temperature	3s≤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
Peak Emission Wavelength	If=20mA	$\lambda_p$	695	700	705	nm
Spectrum Half Width	If=20mA	$\Delta\lambda$		100		nm
Forward Voltage	If=20mA	Vf	1.6	2.4	2.7	v
Reverse Current	Vr=5v	Ir			10	μA
Luminous Intensity	If=20mA	Iv	1.2	4.0		mcd
Full viewing angle	If=20mA	2θ1/2		45		deg.

## Package dimensions & Internal Circuit Diagram



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

Drawer	yinyue
Checked	
Approved	

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