

TAIWAN OASIS LED DATA SHEET



Part No.TOL-DMdHOaDAa

- ◆Pb Free Products.
- ◆Orange Emitting LED.
- ◆High Efficiency LED,(2.8mm*4.9mm)Rectangular, Orange Diffused Package.
- ◆The device are made with GaAsP/GaP Light Emitting Diode .
- ◆RoHS compliant

Absolute Maximum Ratings

Tamb=25° C,unless otherwise specified

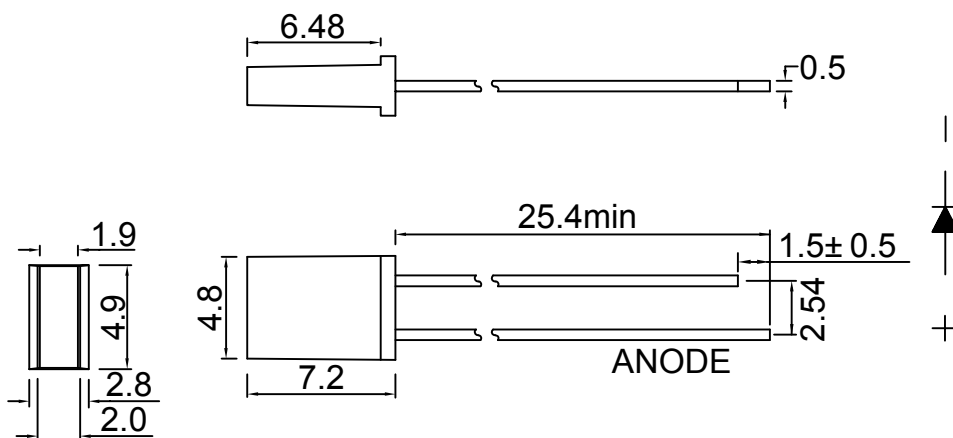
Parameter	Test condition	Symbol	Value	Unit
DC Forward current		If	20	mA
Peak Forward current	1/10 duty cycle@1kHz	I _{fp}	100	mA
Power dissipation	Tamb≤60°C	P _v	90	mW
junction temperature		T _j	85	° C
Operating temperature range		Tamb	-40~85	° C
Storage temperature range		T _{stg}	-40~100	° C
Soldering temperature	3s≤t≤5s,2mm from body	T _{sd}	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	λ _p		632		nm
Spectrum Half Width	If=20mA	Δλ		35		nm
Forward Voltage	If=20mA	V _f		2.05	2.4	v
Reverse Current	V _r =5v	I _r			10	μA
Luminous Intensity	If=20mA	I _v	2.9	5.7		mcd
Full viewing angle	If=20mA	2θ _{1/2}		160		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.