

TAIWAN OASIS LED DATA SHEET

Part No. TOH-30AY1-B



- ◆The TOH-30AY1-B is a holder and lamp production.
- ◆The lamp named TOL-30dHYaDAa, The Holder Model is TOH-30A.
- ◆Yellow Emitting LED.
- ◆High Efficiency LED, $\phi 3\text{mm}$, Yellow Diffused Package.
- ◆The device are made with GaAsP/GaP Light Emitting Diode .

Absolute Maximum Ratings

$T_{\text{amb}}=25^{\circ}\text{C}$, unless otherwise specified

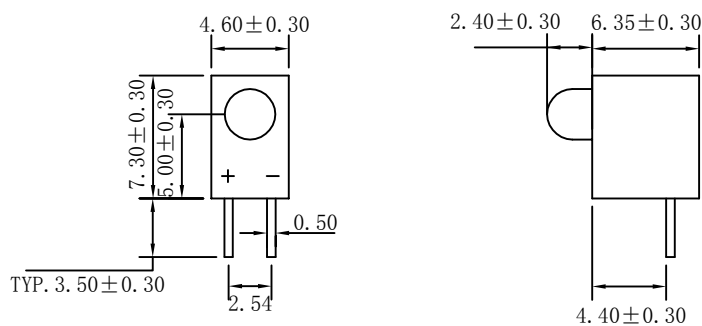
Parameter	Test condition	Symbol	Value	Unit
Reverse voltage		VR	5	v
DC Forward current		If	25	mA
Surge forward current	$T_p \leq 10 \mu\text{s}$	Ifsm	120	mA
Power dissipation	$T_{\text{amb}} \leq 60^{\circ}\text{C}$	Pv	80	mW
junction temperature		Tj	100	$^{\circ}\text{C}$
Operating temperature range		Tamb	$-25 \sim 85$	$^{\circ}\text{C}$
Storage temperature range		Tstg	$-30 \sim 100$	$^{\circ}\text{C}$
Soldering temperature	$3 \leq t \leq 5\text{s}$, 2mm from body	Tsd	260	$^{\circ}\text{C}$

Optical and Electrical Characteristics

$T_{\text{amb}}=25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test condition	symbol	Min.	Typ.	Max.	unit
Power Dissipation		Pd			75	mW
peak Emission Wavelength	If=20mA	λ_p		589		nm
Spectrum Half Width	If=20mA	$\Delta \lambda$		35		nm
Forward Voltage	If=20mA	Vf		2.1	2.4	v
Reverse Currnet	Vr=5v	IR			10	μA
Luminous Intensity	If=20mA	Iv	13.2	35		mcd
Full viewing angle	If=20mA	$2\theta_{1/2}$		50		deg.

Package dimensions & Internal Circuit Diagram



Unit	mm
Scale	—
Rev.	A
Tolerance	± 0.25 ANGLE $\pm 5^{\circ}$

Drawer	SHIKE
Checked	
Approved	

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