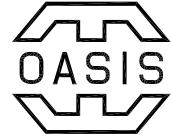


TAIWAN OASIS LED DATA SHEET



Part No. TOH-30AR1-B

- ◆The TOH-30AR1-B is a holder and lamp production.
- ◆The lamp named TOL-30dHRaDAa, The Holder Model is TOH-30A.
- ◆Red Emitting LED.
- ◆High Efficiency LED, $\phi 3\text{mm}$, Red Diffused Package.
- ◆The device are made with GaP/GaP Light Emitting Diode .

Absolute Maximum Ratings

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

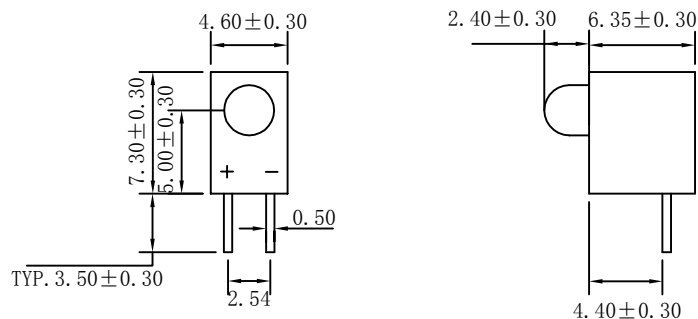
Parameter	Test condition	Symbol	Value	Unit
Reverse voltage		VR	5	v
DC Forward current		If	25	mA
Surge forward current	$T_p \leq 10 \mu\text{s}$	Ifsm	120	mA
Power dissipation	$T_{amb} \leq 60^{\circ}\text{C}$	Pv	80	mW
junction temperature		Tj	100	$^{\circ}\text{C}$
Operating temperature range		Tamb	$-25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

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

Parameter	Test condition	symbol	Min.	Typ.	Max.	unit
Power Dissipation		Pd			75	mW
peak Emission Wavelength	If=20mA	λ_p		700		nm
Spectrum Half Width	If=20mA	$\Delta \lambda$		30		nm
Forward Voltage	If=20mA	Vf		2.25	2.50	v
Reverse Current	Vr=5v	IR			10	μA
Luminous Intensity	If=20mA	Iv	1.2	3.0		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.