



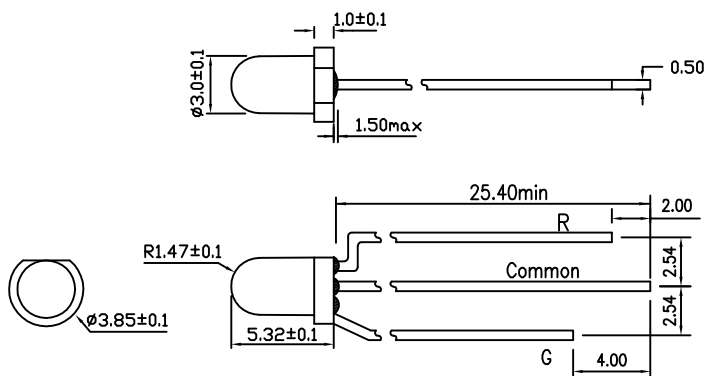
# TAIWAN OASIS LED DATA SHEET

## PART NO. : TOL-30aRGdCHa

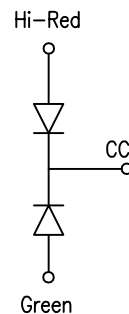
ABSOLUTE MAXIMUM RATING (Ta = 25°C)

Parameter	Symbol	R	G	Unit
Radiation Color		Hi-Red	Green	
Peak Emission Wavelength	$\lambda_P$	660	568	nm
Spectrum Half Width	$\Delta\lambda$	20	30	nm
Radiation Material		GaAlAs/GaAs	GaP/GaP	
Forward Voltage (@20mA)	V <sub>F</sub>	MAX	2.0	V
		TYP	1.8	
Forward current	I <sub>fm</sub>	20	20	mA
Peak forward current (duty cycle: 1:10)	I <sub>fp</sub>	80	80	mA
Power dissipation	P <sub>d</sub>	80	80	mW
Reverse Voltage	V <sub>R</sub>	5		V
Reverse Current (MAX)	I <sub>R</sub>	10	10	μA
Luminous Intensity (I <sub>F</sub> =20mA)	I <sub>v</sub>	MIN	80	mcd
		TYP	160	mcd
Full Viewing Angle (TYP)	$2 \times \frac{1}{2} \theta$	18		°
Operating temperature	topr	-25	to +85	°C
Storage temperature	Tstg	-30	to +100	°C
Lens		Water Clear		
Recommend Operating Current	I <sub>s</sub>	12	12	mA

PACKAGE DIMENSIONS:



INTERNAL CIRCUIT DIAGRAM:



DATE	8/18/01'	SCALE	2.5:1	TOLERANCE	±0.25 ANGLE ±5°	DRAWN	D Q H	CHECKED	
UNIT	M/M	SHEET NO.	1/1	DRAWING NO.	S-30aRGdCHa-A	CUSTOMER		APPROVED	