



TAIWAN OASIS LED DATA SHEET

PART NO. : TOL-50bHGaDEa

DESCRIPTION

SOURCE MATERIAL _____ GaP
COLOR _____ Green
LENS _____ Green Diffused

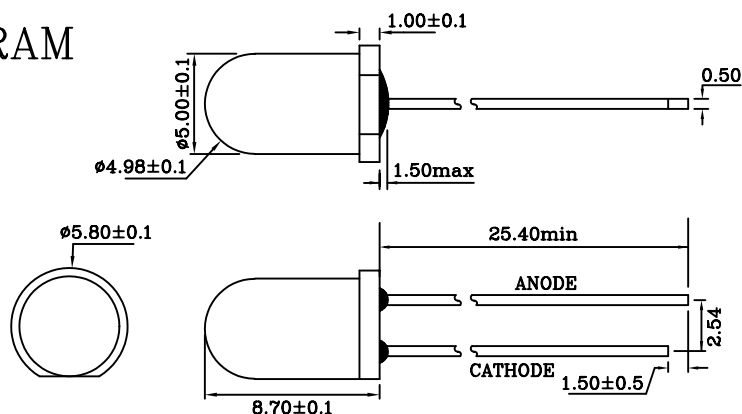
ABSOLUTE MAXIMUM RATING ($T_a=25^{\circ}\text{C}$)

PULSE CURRENT (1/10 DUTY, CYCLE 0.1ms PULSE WIDTH) _____ 100mA
REVERSE VOLTAGE _____ 5.0V
CONTINUOUS FORWARD CURRENT _____ 25mA
RECOMMEND OPERATING CURRENT _____ 15mA
OPERATING TEMPERATURE _____ -25°C TO 85°C
STORAGE TEMPERATURE _____ -30°C TO 100°C
LEAD SOLDERING TEMPERATURE _____ 260°C FOR 3 SECONDS
(2mm from body)

CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

PARAMETER	CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNITS
POWER DISSIPATION		P_d			75	mW
PEAK EMISSION WAVELENGTH	$I_f=20\text{mA}$	λ_p		568		nm
SPECTRUM HALF WIDTH	$I_f=20\text{mA}$	$\Delta\lambda$		30		nm
FORWARD VOLTAGE	$I_f=20\text{mA}$	V_F		2.25		V
REVERSE CURRENT	$V_R=5\text{V}$	I_R			10	μA
LUMINOUS INTENSITY	$I_f=20\text{mA}$	I_v	30	45		mcd
FULL VIEWING ANGLE	$I_f=20\text{mA}$	$2\theta_{1/2}$		50		deg.

PACKAGE DIMENSIONS & INTERNAL CIRCUIT DIAGRAM



DATE	03/01/00'	SCALE	2.5:1	TOLERANCE	± 0.10 ANGLE $\pm 5^{\circ}$	DRAWN	? 獠	CHECKED	
UNIT	M/M	SHEET NO.	1/1	DRAWING NO.	S-50bHGaDEa-A	CUSTOMER		APPROVED	