



TAIWAN OASIS LED DATA SHEET

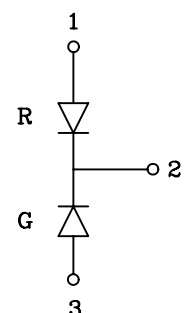
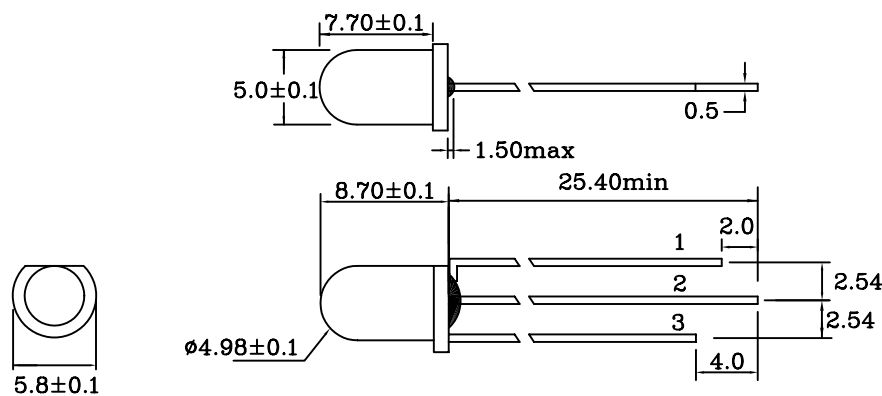
PART NO. : TOL-50bRGdWGa

Characteristics (Ta = 25°C)

Parameter	Symbol		R	G	Unit
Radiation Color			Red	Green	
Radiation Material			GaAlAs/GaAs	GaP/GaP	
Forward Voltage (IF=20mA)	VF	MAX	2.0	2.5	V
		TYP	1.8	2.2	
Forward current	Ifm		20	20	mA
Peak forward current	Ifp		80	80	mA
Power dissipation	Pd		70	70	mW
Reverse Voltage	VR		5		V
Reverse Current	IR	MAX	10		µA
Operating temperature	topr	-25	to	+85	°C
Storage temperature	Tstg	-30	to	+100	°C
Luminous Intensity (IF=20mA)	Iv	MIN	32	23	mcd
		TYP	64	46	mcd
Peak Emission Wavelength	λP		660	568	nm
Spectrum Half Width	Δλ		20	30	nm
Full Viewing Angle	2θ _{1/2}	TYP	50		°
Lens			White Diffusion		

PACKAGE DIMENSIONS:

INTERNAL CIRCUIT DIAGRAM:



* Dice: ED-212SRD(Iv typ20.20mcd) YGU(Iv typ14.48mcd)

DATE	2002/2/7'	SCALE	2:1	TOLERANCE	±0.25 ANGLE ±1°	DRAWN	D Q H	CHECKED	
UNIT	M/M	SHEET NO.	1/1	DRAWING NO.	S-50bRGdWGa-A	CUSTOMER		APPROVED	