LW1045

Absolute Maximum Ratings at Ta=25°C

Ltem	Symbol	Rating	Unit
Power Dissipation	P_D	120	mW
Peak Forward Current(1/10 Duty Cycle,0.1ms Pulse Width)	I_{FS}	100	mA
Continuous Forward Current	I_F	20	mA
Derating Linear From50°C	---	0.4	mA/°C
Reverse Voitage	V_R	5	v
Operating Temperature Range	T_{opr}	-40~+85	°C
Storage Temperature Range	Tstg	-40~+85	°C
Lead Soidering Temperature [4mm(.157")From Body]	260° C FOR 5 Seconds		

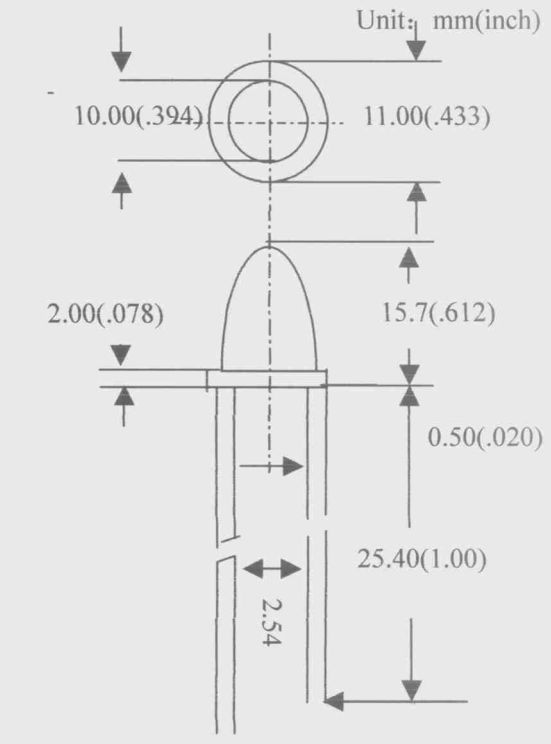
Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test condition
Luminous Intensity	Iv	45000	---	50000	mcd	I_F=20mA(Note 1)
Viewing Angle	2θ 1/2	---	10	---	deg	(Note 2)
Wavelength	λd	---	---	---	nm	I_F=20mA(Note 3)
Spectra Line Half-Width	Δλ	---	---	---	nm	I_F=20mA
Forward Voltage	V_F	3.0		3.4	V	I_F=20mA
Reverse Current	I_R			10	μA	V_R=5V

Description:
Emitted Color: White
Lens Color: Water Clear

a. All dimensions are in millimeters (inches).
b. Tolerance is ±0.25(.010") mm unless otherwise noted.
c. Resin under flange is 1.0mm (.04") max.
d. Lead spacing is measured where the leads emerge from the package.
e. Specifications are subject to change without notice.

Package Dimensions:



Note:
1、 Luminors intensity is measured With a light sensor and filter combination that approximates the CIE eye-response curve
2、 θ, 1/2the off-axis angle at which the luminous intensity Vs half the axial luminous intensity.
3、 Refer to the CIE 1931 chromaticity diagram