

Features

- * HIGH ILLUMINATION SENSITIVITY.
- * STABLE CHARACTERISTICS.
- * SPECTRALLY AND MECHANICALLY MATCHED WITH IR EMITTER.

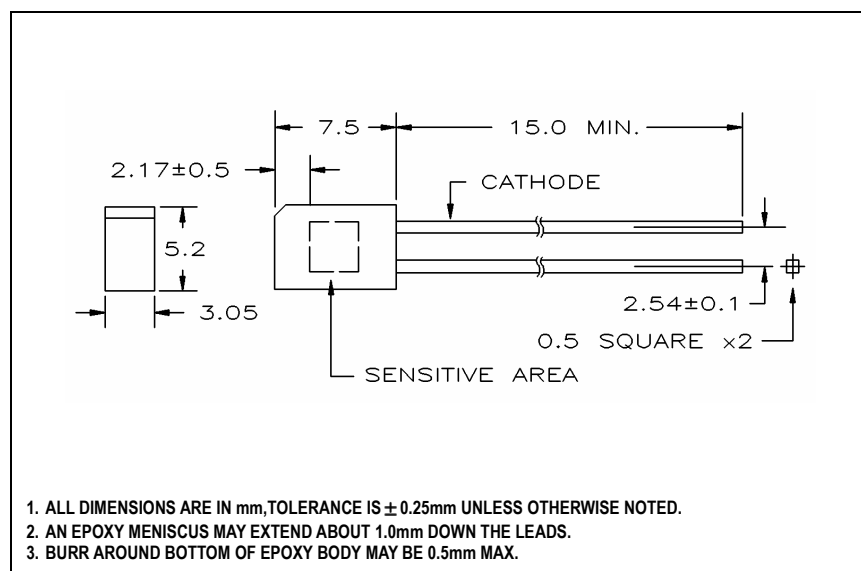
Absolute Maximum Ratings at $T_A=25^{\circ}\text{C}$

OPERATING TEMPERATURE RANGE.....	-25 $^{\circ}\text{C}$ TO +85 $^{\circ}\text{C}$
STORAGE TEMPERATURE RANGE.....	-25 $^{\circ}\text{C}$ TO +100 $^{\circ}\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260 $^{\circ}\text{C}$ FOR 5 SEC.

Electrical/optical characteristics at $T_A=25^{\circ}\text{C}$

PART NUMBER	LEN'S COLOR	REVERSE BREAKDOWN VOLTAGE(V) $I_R=100\mu\text{A}$ $E_e=0$	REVERSE DARK CURRENT(nA) $V_R=10\text{V}$ $E_e=0$	OPEN CIRCUIT VOLTAGE(mV) $\lambda=940\text{nm}$ $E_e=0.5\text{mw}/\text{cm}^2$	SHORT CIRCUIT CURRENT(μA) $V_R=5\text{V}$ $\lambda=940\text{nm}$ $E_e=0.5\text{mw}/\text{cm}^2$	RISE/FALL TIME (n SEC.) $V_R=10\text{V}$ $\lambda=940\text{nm}$ $R_L=1\text{K}\Omega$
LT4W53-2120-EA-CAJ	WATER CLEAR	MIN. 20.0	MAX. 30.0	TYP. 350	TYP. 2.0	TYP. 50.0
LT4W55-2120-EA-CAJ	BLUE CLEAR	MIN. 20.0	MAX. 30.0	TYP. 350	TYP. 2.0	TYP. 50.0

Package Dimensions



Relative Sensitivity VS. Peak Wavelength

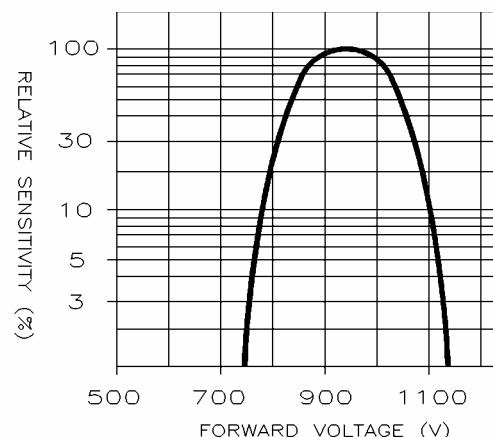
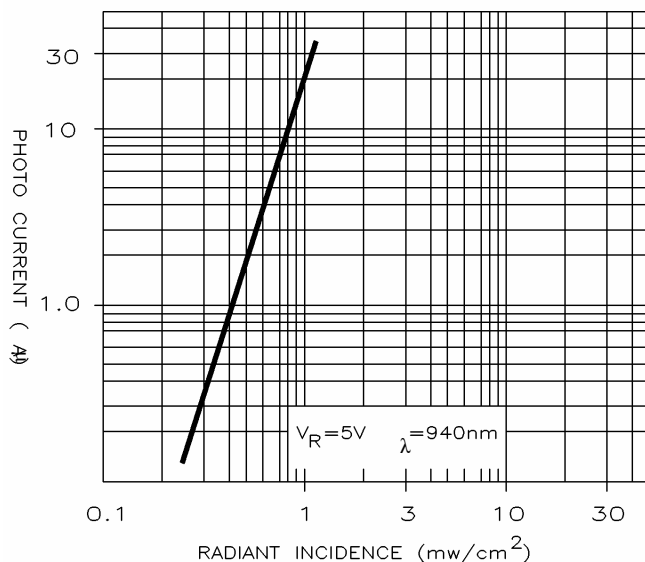


Photo Current VS. Radiant Incidence



Max. Reverse Dark Current VS. Ambient Temperature

