

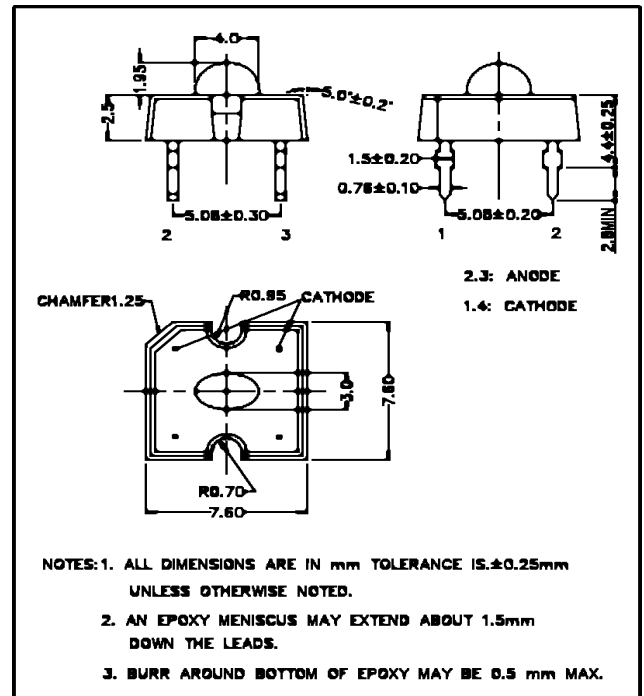
LP476AYL1-90G

Features

4 Pin Plastic Package
 High Current Operation
 High Flux Output
 Low Profile
 Water Clear Lens
 PRELIMINARY SPEC

Applications

Indicators
 Illumination



Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	70	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	210.00	mW
Operating Temperature	T _{opr}	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 5 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =70mA	-	2.50	3.00	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Intensity	I _v	I _F =70mA	2130.00	3500.00	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	90° x 35°	-	deg.
Peak Wavelength	λ _p	I _F =70mA	-	591	-	nm
Dominant Wavelength	λ _d	I _F =70mA	-	589	-	nm
Spectral Line Half Width	Δλ	I _F =70mA	-	20	-	nm

LP476AYL1-90G Graphs

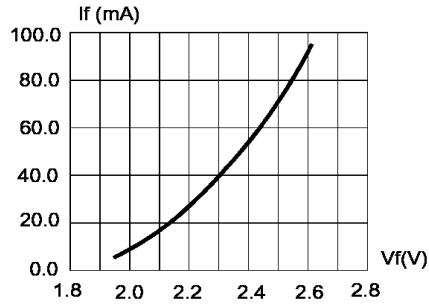


FIG. 1 FORWARD CURRENT VS. FORWARD VOLTAGE.

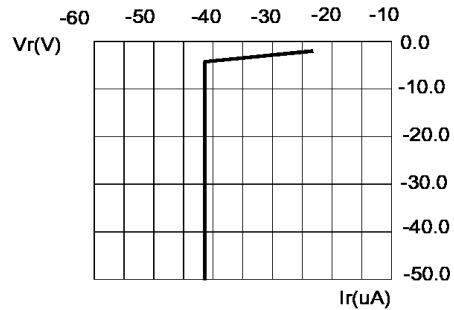


FIG. 2 REVERSE CURRENT VS. REVERSE VOLTAGE.

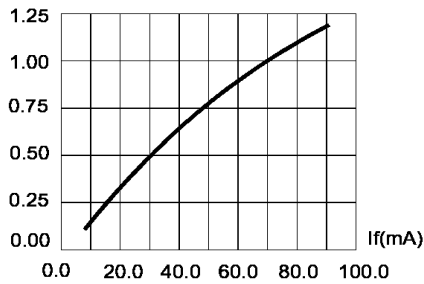


FIG. 3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

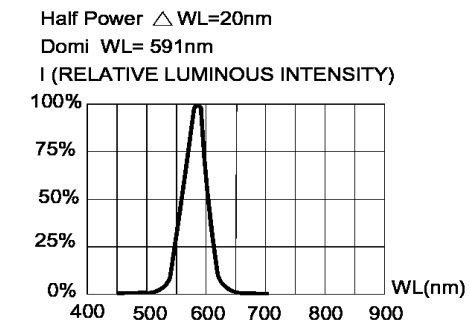


FIG. 4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

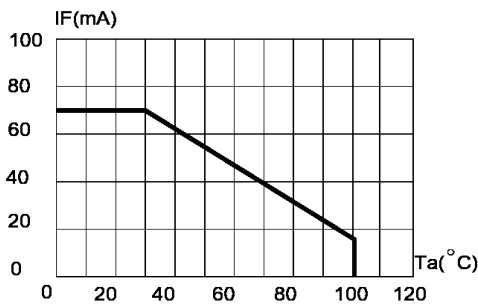


FIG. 5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=120^{\circ}\text{C}$)

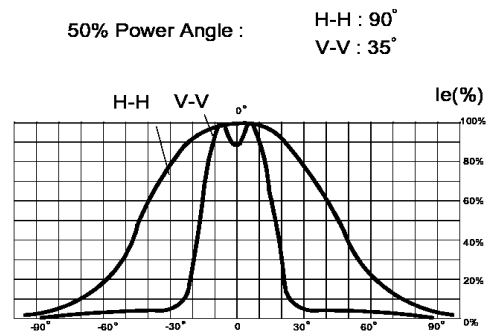


FIG. 6 FAR FIELD PATTERN