

LO566PPG4-70G-A

Features

All Plastic Mold Type
High Luminous Intensity
Low Current Requirement
Tinted Diffused Lens
Wide Viewing Angle Up To 70° x 45°
With Stand-Offs

Applications

Backlighting
Full Color/RGB Video Signs
Time/Temperature Boards
VMS



ATTENTION

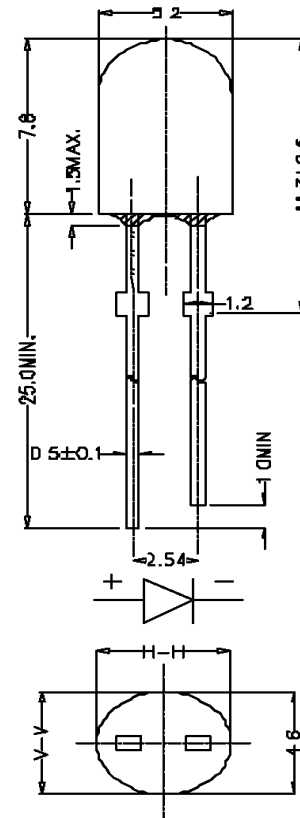
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	25	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	105.00	mW
Operating Temperature	T _{opr}	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 3 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	-	3.60	4.60	V
Reverse Current	I _R	V _R =5V	-	-	100	μ A
Luminous Intensity	I _v	I _F =20mA	1100.00	1700.00	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	65° x 45°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	562	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	558	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	11	-	nm



NOTES:

1. All Dimensions are in mm. Tolerance is ±0.25mm.
2. An Epoxy Meniscus may extend about 1.5mm down the leads.
3. Burr around bottom of epoxy may be 0.5mm Max.

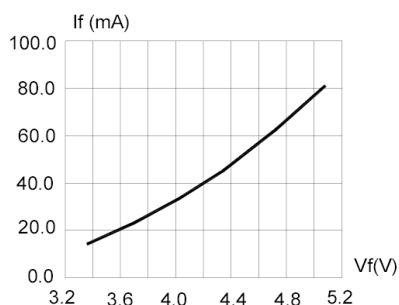


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

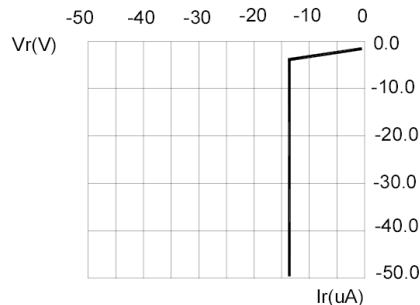


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

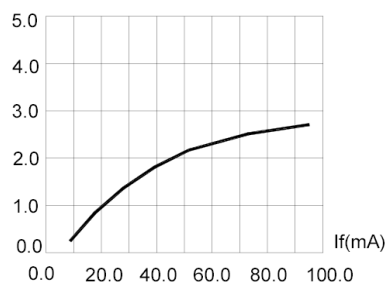


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

Half Power $\triangle$ WL=38nm
Dom WL= 525nm

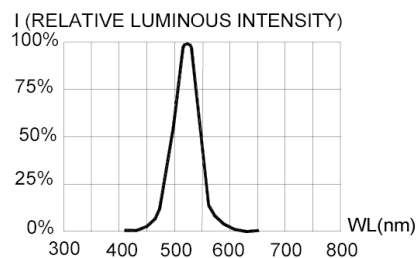


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

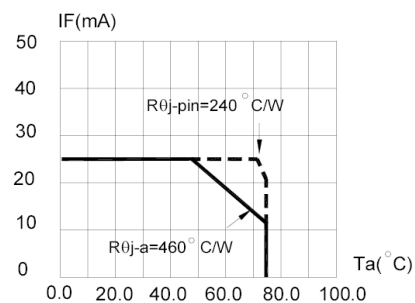


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=95^{\circ}\text{C}$)

50% Power Angle : H-H : 65°
V-V : 45°

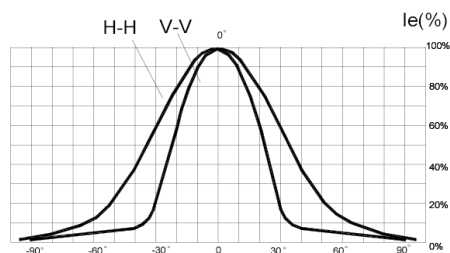


FIG.6 FAR FIELD PATTERN

1. Cathode PAD Area (0.18 X 0.18inch²)
2. Height above nominal seating plane in inches(0.3inch)