

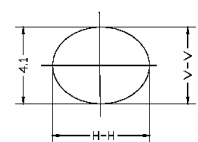
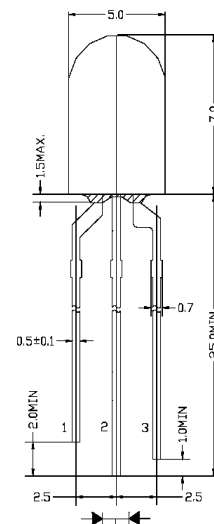
LO568PGB1-80Q-A

Features

5mm Oval Lens
80° x 60° Viewing Angle
No Stand Offs
Pure Green and Pure Blue Color

Applications

Variable Message Signs
Message Board



1. BLUE ANODE
2. COMMON CATHODE
3. RED ANODE

NOTES: 1. ALL DIMENSIONS ARE IN mm TOLERANCE IS ±0.25mm
UNLESS OTHERWISE NOTED.

2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.5mm
DOWN THE LEADS.

3. BURR AROUND BOTTOM OF EPOXY MAY BE 0.5 mm MAX.

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.		Unit
		TPG	UBL	
Forward Current	I _F	25	25	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	100.00	100.00	mW
Operating Temperature	T _{opr}	-40 ~ +95	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +100	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	260	°C
Soldering Time	-	for 3 sec. max	for 3 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min		Typ		Max		Unit
			TPG	UBL	TPG	UBL	TPG	UBL	
Forward Voltage	V _F	I _F =20mA	-	-	3.40	3.40	4.00	4.00	V
Reverse Current	I _R	V _R =5V	-	-	-	-	100	100	μA
Luminous Intensity	I _v	I _F =20mA	280.00	200.00	750.00	400.00	-	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	-	80° x 60°	80° x 60°	-	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	-	522	465	-	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	-	527	470	-	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	-	-	28	-	-	nm

LO568PGB1-80Q-A Graphs

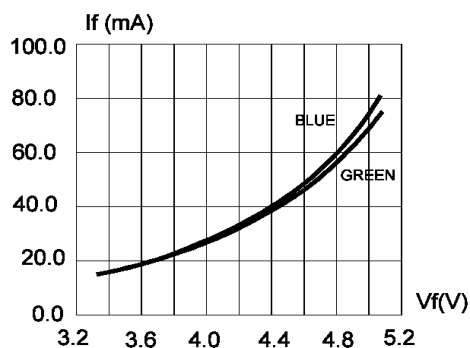


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

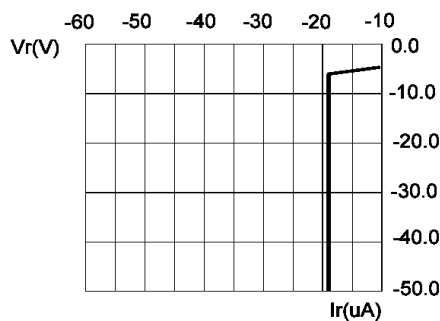


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

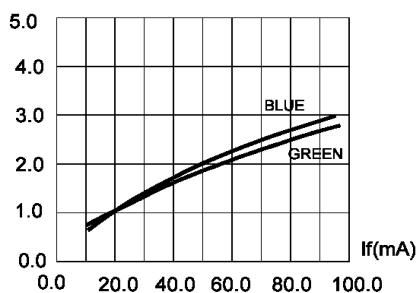


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

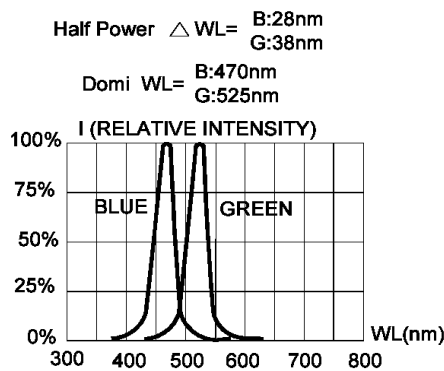


FIG.4 RELATIVE INTENSITY VS. WAVE LENGTH.

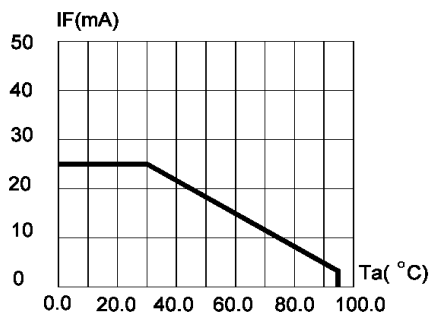


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=105^{\circ}\text{C}$)

50% Power Angle : H-H : 80°
V-V : 60°

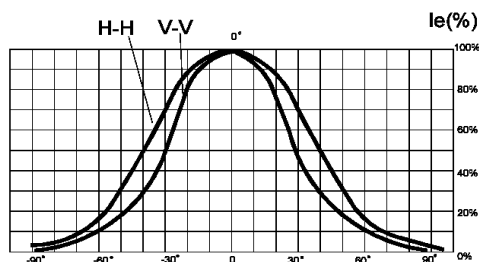


FIG.6 SPATIAL DISTRIBUTION.