

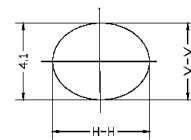
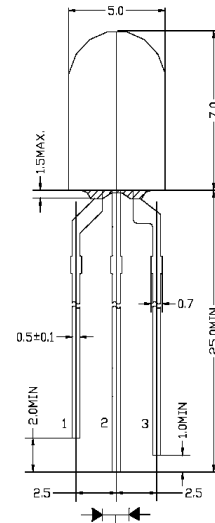
LO568PGB1-80Q-A

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

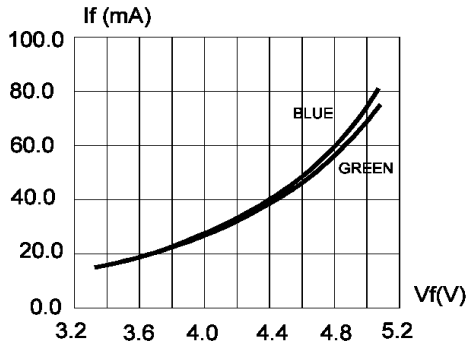


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

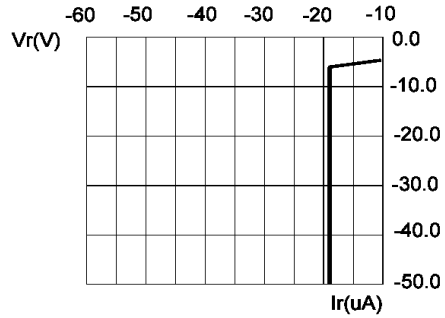


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

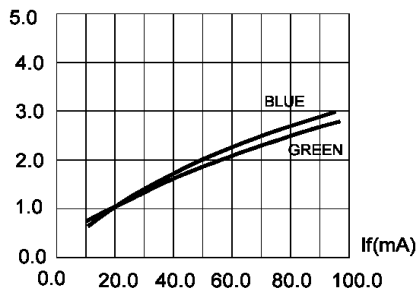


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

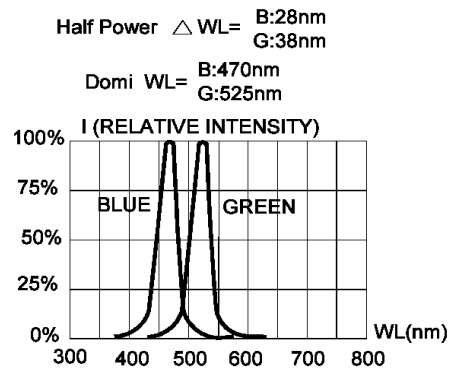


FIG.4 RELATIVE INTENSITY VS. WAVE LENGTH.

50% Power Angle : H-H : 80°
V-V : 60°

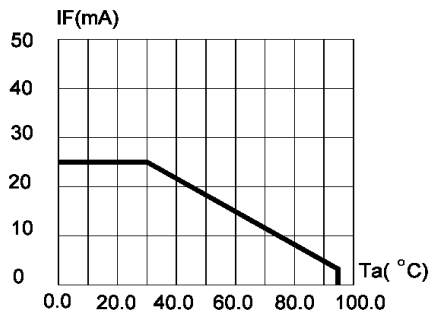


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=105^{\circ}C$)

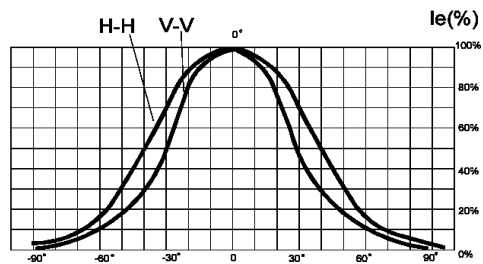


FIG.6 SPATIAL DISTRIBUTION.