GLP003/1608CGCK GREEN

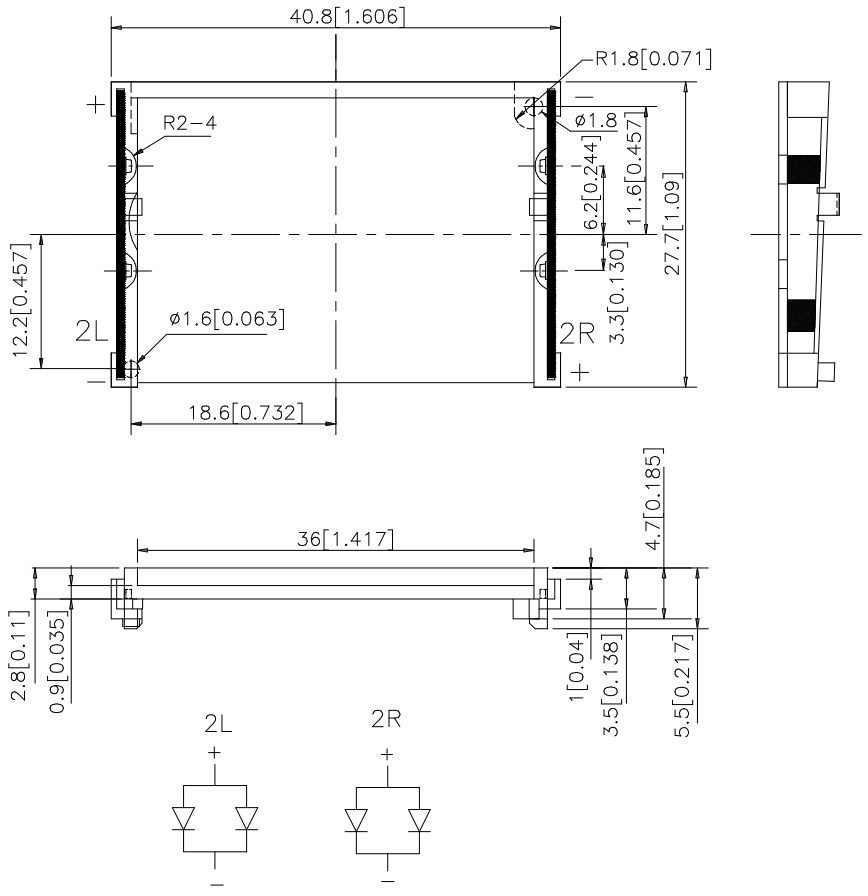
Features

- LOW POWER REQUIREMENTS.
- LARGE AREA, UNIFORM, BRIGHT LIGHT EMITTING SURFACE.
- EASY FOR INSTALLATION.
- LOW POWER CONSUMPTION.

Description

The Green source color devices are made with InGaAlP on GaAs substrate Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



APH1608CGCK-4PCS

Notes:
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Ev (lux) @ 80mA	
			Min.	Typ.
GLP003/1608CGCK	GREEN (InGaAlP)	WATER CLEAR	110	164.5

Note:
1.The distance is 10mm from digital Lux meter to material's surface.

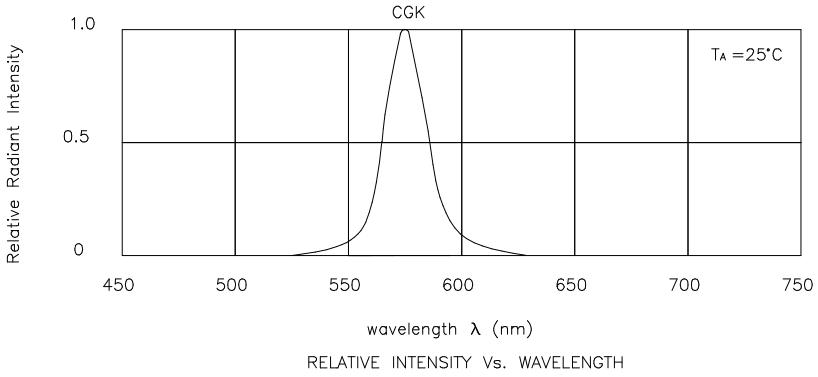
Electrical / Optical Characteristics at T_A=25ºC

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	574		nm	I_F=20mA(per chip)
λ D	Dominate Wavelength	Green	570		nm	I_F=20mA(per chip)
Δλ1/2	Spectral Line Half-width	Green	20		nm	I_F=20mA(per chip)
C	Capacitance	Green	15		pF	V_F=0V;f=1MHz
V_F	Forward Voltage	Green	2.1	2.5	V	I_F=20mA(per chip)
I_R	Reverse Current	Green		10	uA	V_R = 5V

Absolute Maximum Ratings at T_A=25ºC

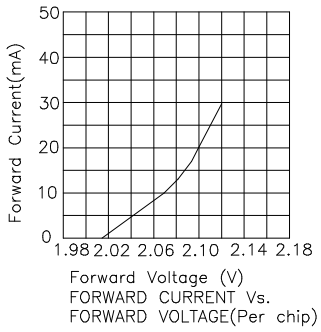
Parameter	Green	Units
Power dissipation	240	mW
Forward Current	120	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	

Note:
1. The Chips are four parallel.

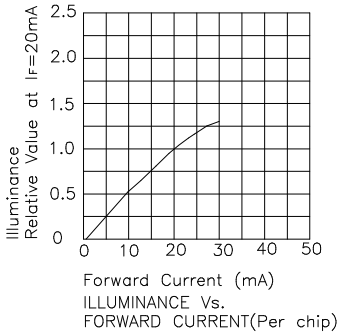


RELATIVE INTENSITY Vs. WAVELENGTH

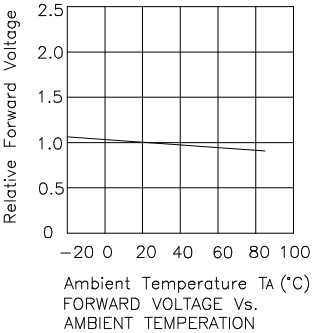
Green **GLP003/1608CGCK**



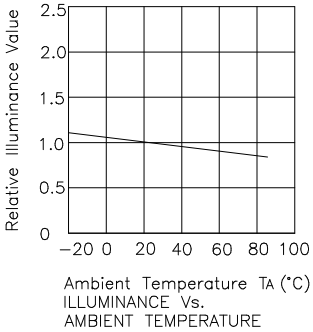
FORWARD CURRENT Vs.
FORWARD VOLTAGE(Per chip)



ILLUMINANCE Vs.
FORWARD CURRENT(Per chip)



FORWARD VOLTAGE Vs.
AMBIENT TEMPERATION



ILLUMINANCE Vs.
AMBIENT TEMPERATURE