



ATTENTION

OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

GLP003/1608PBC

BLUE

Features

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

Description

The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

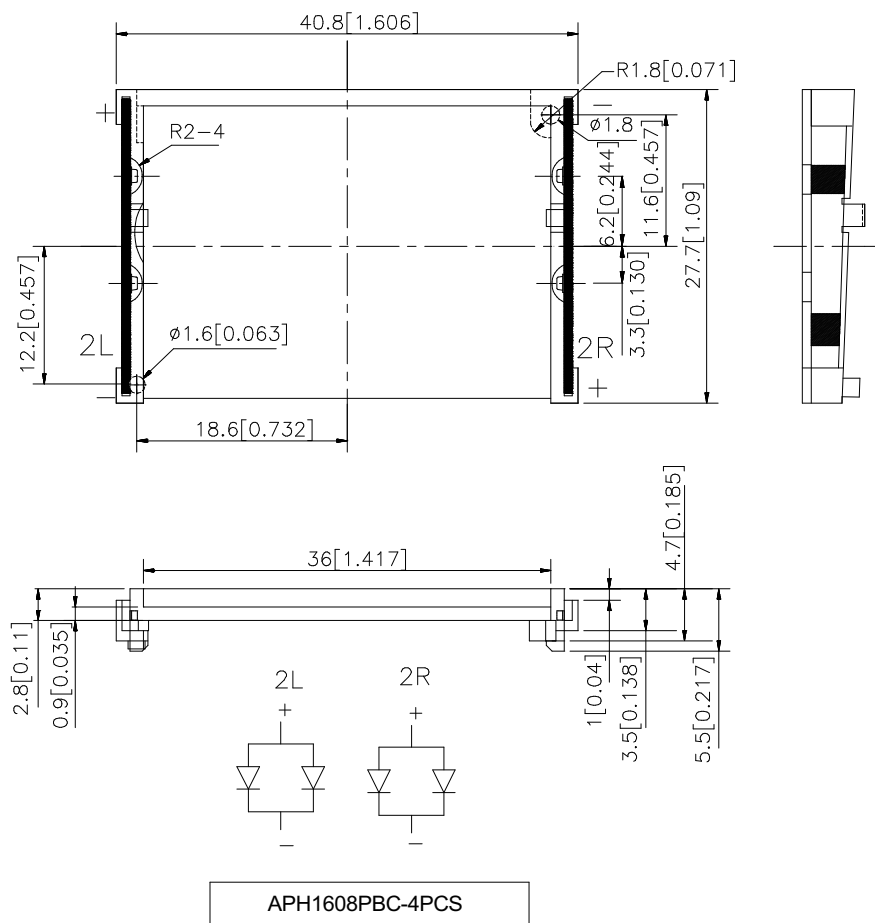
Static electricity and surge damage the LEDs.

It is recommended to use a wrist band or

anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ 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.
GLP003/1608PBC	BLUE (InGaN)	WATER CLEAR	293	440

Electrical / Optical Characteristics at T_A=25°C

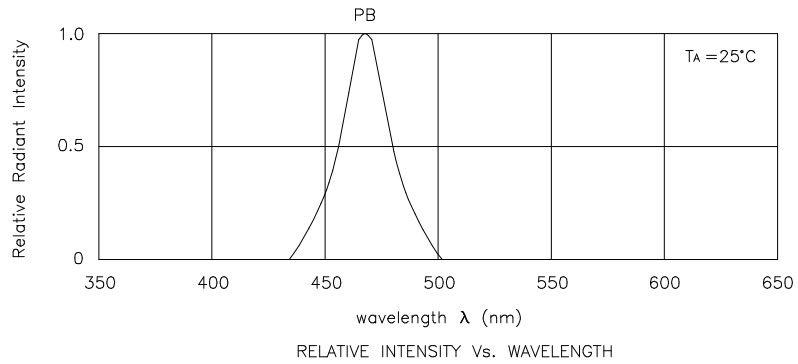
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Blue	468	--	nm	I _F =20mA(per chip)
λ_D	Dominate Wavelength	Blue	470	--	nm	I _F =20mA(per chip)
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Blue	25	--	nm	I _F =20mA(per chip)
C	Capacitance	Blue	65	--	pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Blue	3.65	4.2	V	I _F =20mA(per chip)
I _R	Reverse Current	Blue	--	10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Blue	Units
Power dissipation	410	mW
Forward Current	120	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

1. The Chips are four parallel.



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