

GH06507A2A/B

Red Laser Diode

Red Laser Diode(650 nm - 7 mW) for DVD-ROM Drive

General Description

Sharp's **GH06507A2A/B** is high power output red laser diode (650nm-7mW) for DVD-ROM drive.

It is suitable for low reflectivity DVD-RAM and 2-layer disc due to high power output(Maximum optical power output: 7mW).

Model No.

GH06507A2A -----Dual power supply

GH06507A2B -----Single power supply

Features

- (1) Maximum optical power output : 7 mW
- (2) Wavelength: 650 nm band
- (3) Operating temperature : Max.70°C
- (4) Compact ϕ 5.6 mm package

Applications

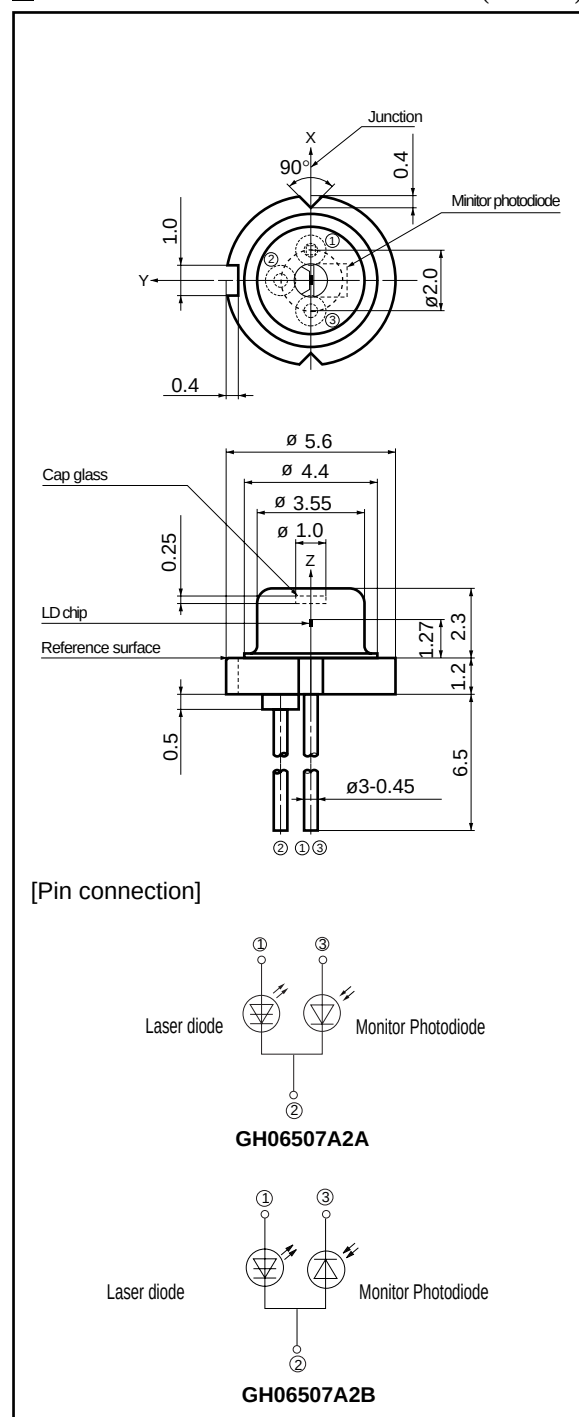
- DVD-ROM drive

Specifications

Parameter	Symbol	Conditions	Ratings
Optical power output(Max.)	Po	-	7 mW
Threshold current (TYP.)	Ith	-	45 mW
Operating current (TYP.)	Iop	Po = 30 mW	60 mW
Operating voltage (TYP.)	Vop		2.3 V
Wavelength (TYP.)	λ_p		650 nm
Radiation angle (TYP.)	Parallel $\theta_{\parallel}$		8.5°
	Perpendicular $\theta_{\perp}$		29°
Operating temperature	Topr	-10 to +70°C	
Oscillation mode	-	Single	
Polarization mode	-	TE	

Outline Dimensions

(Unit:mm)



(Notice) • In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
• Specifications are subject to change without notice for improvement.

(Internet) • Data for Sharp's optoelectronic/power devices is provided on internet. (Address <http://www.sharp.co.jp/ecg/>)