

## GH06P10B4C High Power Red Laser Diode

High Power Red Laser Diode for Slim HiHi Combo Drive

### ■ Features

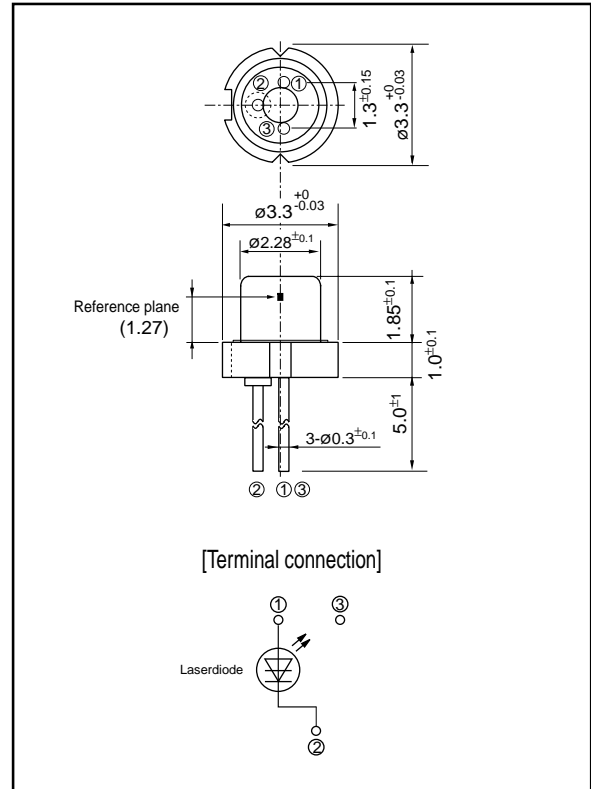
- (1) × 4 speed writing for DVD-R/+R/-RW/+RW/RAM drives
- (2) High power output (pulse MAX. 100 mW)
- (3) Low aspect ratio type (aspect ratio : 1.7)  
The shaping prism of a pick up becomes unnecessary and the composition of optical parts can be simplified
- (4) To set MAX. 662 nm wavelength to be compatible with pigment media such as DVD-R/+R
- (5) Operating temperature : MAX. 70 °C
- (6) Small  $\phi 3.3$  mm package

### ■ Applications

- (1) DVD-R/+R drives
- (2) DVD-RW/+RW drives
- (3) DVD-RAM drives

### ■ Outline Dimensions

(Unit:mm)



### ■ Specifications

(Tc=25°C)

Parameter		Symbol	Conditions	Ratings	Unit
Optical power output		Po	–	MAX. 60	mW
Optical power output(pulse)		Pp	duty 50 %	MAX. 100	
Threshold current		Ith	–	TYP. 35	mA
Operating current		Iop	Po=50 mW	TYP. 85	mA
Operating voltage		Vop		MAX. 2.6	V
Wavelength		$\lambda p$		652 to 662	nm
Half intensity angle	Parallel	$\theta //$		TYP. 10	°
	Perpendicular	$\theta \perp$	TYP. 17		
Operating temperature		Top(c)	–10 to +70 (pulse)		°C
Polarization mode		–	TE mode		–

(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 is provided on internet. (Address <http://sharp-world.com/ecg/>)