

Laser Diode for X4 speed DVD-R/RW/+RW/RAM

Features

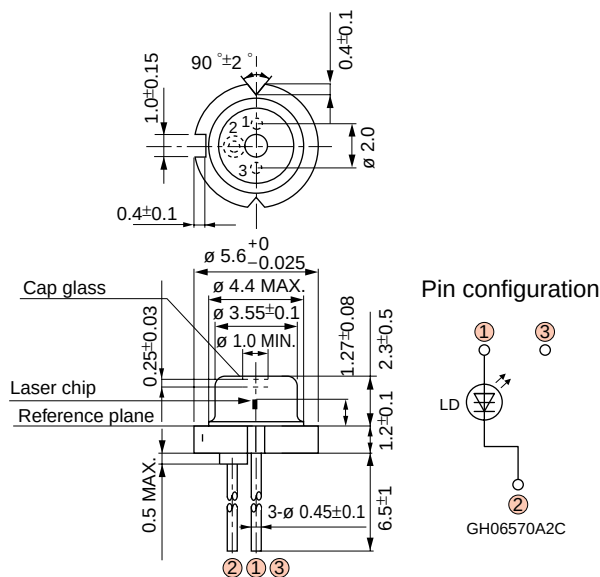
- X4 speed DVD writing (Max. pulse: 100 mW)
- Reasonable price
- Can write on various colored DVD-R/+R media
Wavelength setting (Max. wavelength: 660 nm)
Wavelength band (TYP. 656 nm)
- Improved half intensity angle (ellipticity): about 15 %

Specifications

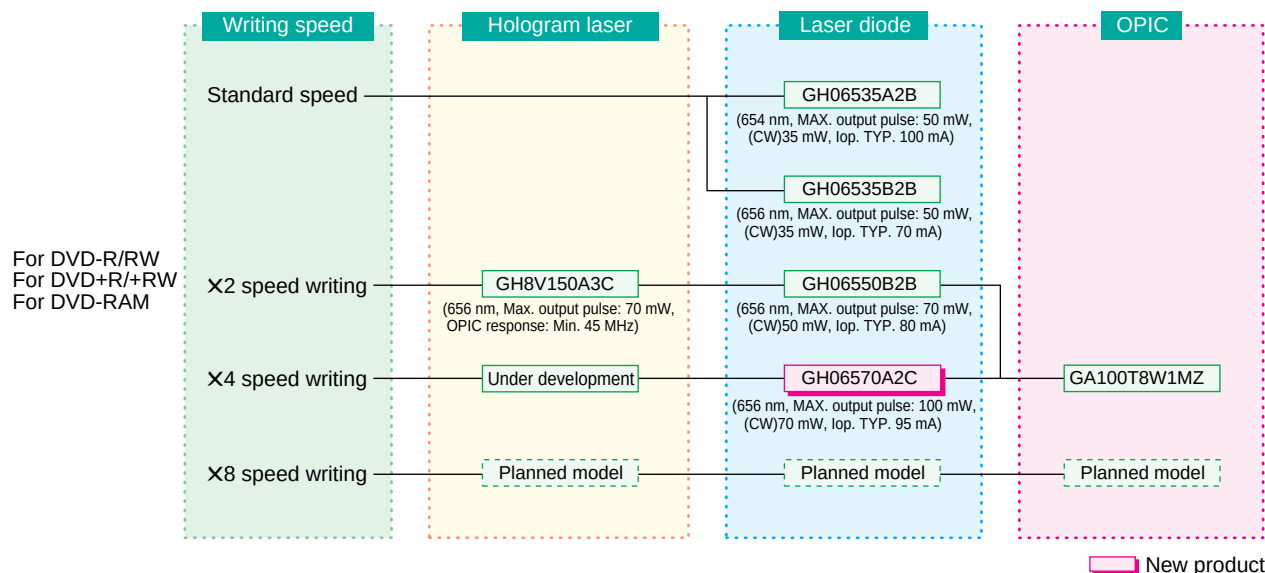
T_c=25 °C

Parameter	Symbol	Condition	Characteristics
Optical power output (pulse)	P _p	duty 50 %	MAX. 100 mW
Optical power output	P _o	—	MAX. 70 mW
Threshold current	I _{th}	—	TYP. 35 mA
Operating current	I _{op}	—	TYP. 95 mA
Operating voltage	V _{op}	—	TYP. 2.6 V
Wavelength	λ _p	P _o =60 mW	TYP. 656 nm
Half intensity angle	Parallel θ	—	TYP. 9 °
	Perpendicular θ _⊥	—	TYP. 22 °
Rise time	Tr	10 %–90 %	TYP. 1.3 nsec
Operating temperature(pulse)	T _{opp} (c)	—	–10 to +70 °C
Deflecting direction	—	—	TE mode

Outline Dimensions (Unit: mm)



Line-up of Laser Diode



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 devices.
- Specifications are subject to change without notice for improvement.