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Sales & Marketing Group

-Electronic Components & Devices

Model **GH0781RA2C**

Infrared High Power Laser Diode for CD-R/RW (X48 Speed Writing)

Features

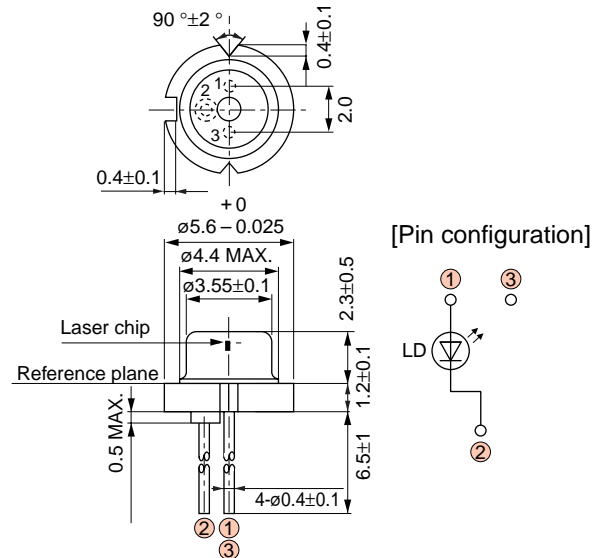
- 225 mW (CW 120 mW) optical output pulse supports X48 speed (CAV) writing
- Ø5.6 mm metal stem package
- Reasonable price

Specifications

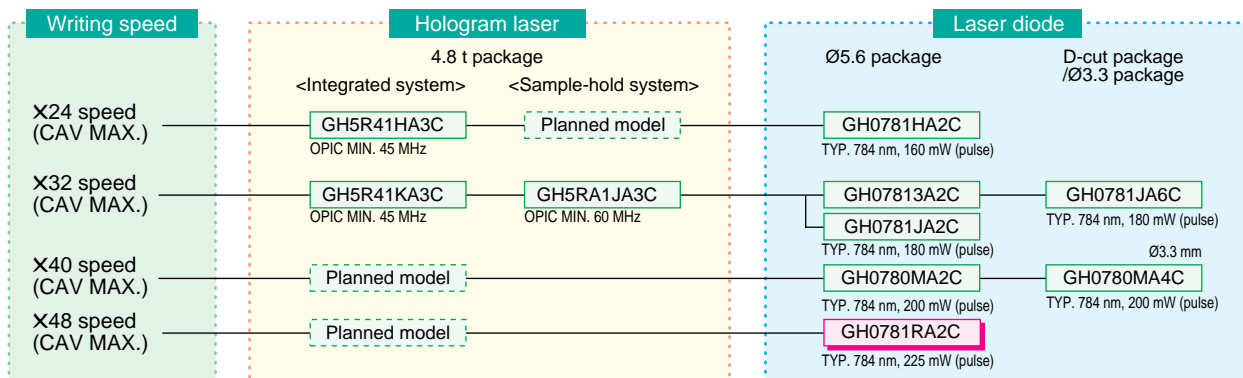
T_c=25 °C

Parameter	Symbol	Condition	Characteristics
Optical power output (pulse)	P _p	-	MAX. 225 mW
Threshold current	I _{th}	-	TYP. 30 mA
Operating current	I _{op}	P _o =100 mW	TYP. 141 mA
Operating voltage	V _{op}		TYP. 2.1 V
Wavelength	λ _p		TYP. 784 nm
Half intensity angle	Parallel θ _{//}		TYP. 8.7 °
	Perpendicular θ _⊥	TYP. 16 °	
Rise time	T _r	10 %-90 %	TYP. 0.8 nsec
Operating temperature (Pulse)	T _{opp(c)}	-	-10 to +75 °C

Outline Dimensions (Unit: mm)



Line-up of Laser Diode



New product

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, model names and availabilities are subject to change without notice for improvement.