

×24 Speed Writing, 3-mm-thick Hologram Laser for CD-R/RW and Ultra-slim Combo Drives

Features

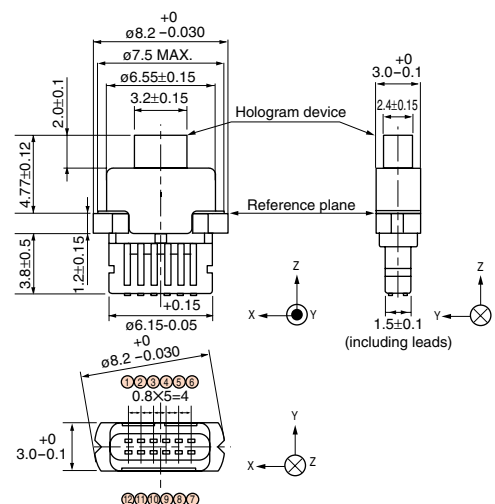
- **3.0 mm resin stem**
Can be installed in a 9.5 mm slim combo drive.
- **Compatible with phase shift DPP system**
Needs no rotation adjustment when a pickup is installed.
- **Sample-hold system**
General versatility is high, and it supports MAX. ×24 writing.

Specifications

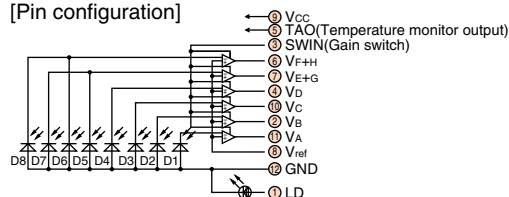
T _c =25 °C		
Parameter	Condition	Characteristics
Maximum optical power output*1	—	MAX. 108 mW
Optical power output (pulse)*1*2	—	MAX. 162 mW
Threshold current	—	TYP. 30 mA
Operating current	Po=100 mW	TYP. 141 mA
Operating voltage		TYP. 2.2 V
Wavelength		TYP. 784 nm
Operating temperature (pulse)	0 to +70 °C	
RF output amplitude	Collimated lens output power 1.5 mW	TYP. 0.94 V
FES output amplitude		TYP. 0.59 V
RES output amplitude		TYP. 0.19 V
Focal offset	High gain	MAX. ±0.7 μm
OPIC supply voltage	—	TYP. 5 V
OPIC response frequency (main)	Common to High/Low gain	MIN. 45 MHz
OPIC response frequency (sub)	Low gain	MIN. 16 MHz

*1:Output power from hologram laser,*2:Allowable optical power output (pulse)

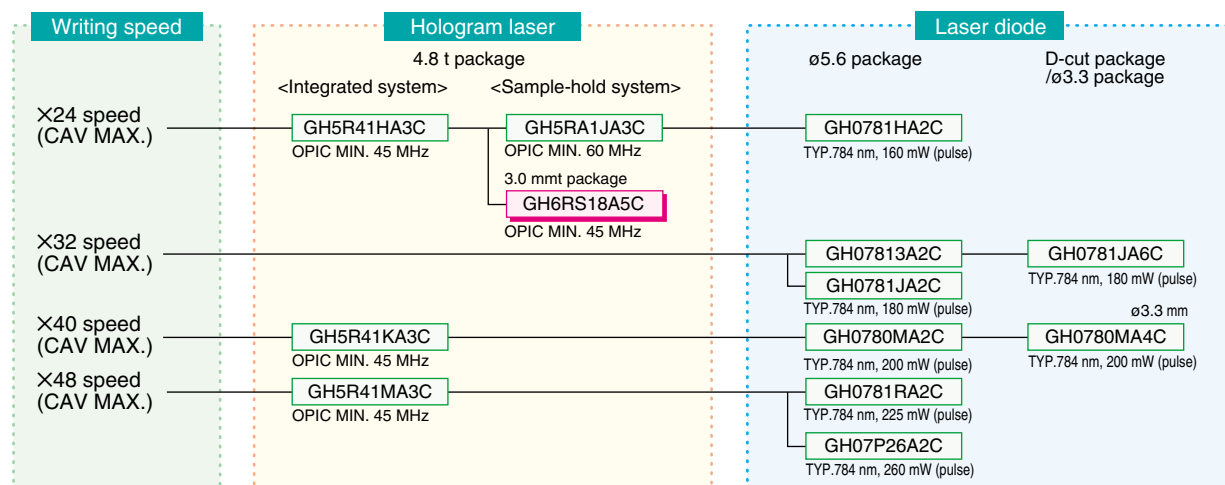
Outline Dimensions (Unit: mm)



[Pin configuration]



Line-up of Hologram Laser



 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.