

Issued on Aug. 18, 2003

Sales & Marketing Group

-Electronic Components & Devices

Model GH6CD05E3A/GH6CD05E3D

4.8 mmt Resin Package, General-Purpose Item/ 85 °C Operation, Infrared Hologram Laser

Features

- Reasonable price(GH6CD05E3A)
- 85 °C operation item for car CDs(GH6CD05E3D)
- 3 V operation OPIC (covers the range of 3 to 5 V), equipped with an ×8 speed, playback-ready OPIC

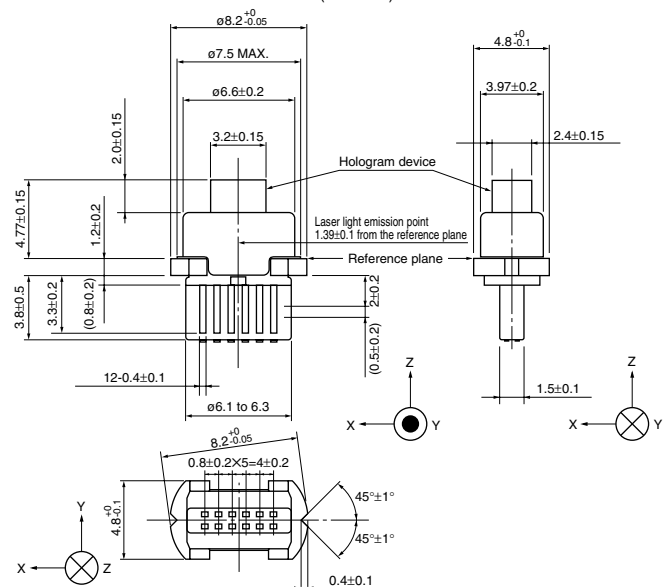
Specifications

GH6CD05E3A		T _c =25 °C
Parameter	Condition	Characteristics
Optical power output*1	—	MAX. 4.3 mW
Threshold current	—	TYP. 25 mA
Operating current	P _H =3.0 mW	TYP. 36 mA
Operating voltage		TYP. 1.85 V
Wavelength		TYP. 795 nm
Operating temperature	-10 to +70 °C	
RF output amplitude	P _H =3.0 mW	TYP. 2.0 V
Focus error signal Output amplitude	V _{RF} =1.1 V	TYP. 0.70 V
Focal offset		±0.7 μm
OPIC supply voltage	—	2.8 to 5.5 V
OPIC response frequency	V _{CC} =3 V, -3 dB	TYP. 18 MHz

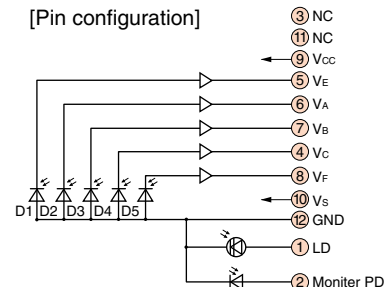
GH6CD05E3D		T _c =25 °C
Parameter	Condition	Characteristics
Optical power output*1	—	MAX. 4.3 mW
Threshold current	—	TYP. 25 mA
Operating current	P _H =3.0 mW	TYP. 36 mA
Operating voltage		TYP. 1.85 V
Wavelength		TYP. 795 nm
Operating temperature	-10 to +85 °C	
RF output amplitude	P _H =3.0 mW	TYP. 2.0 V
Focus error signal Output amplitude	V _{RF} =1.1 V	TYP. 0.70 V
Focal offset		±0.7 μm
OPIC supply voltage	—	2.8 to 5.5 V
OPIC response frequency	V _{CC} =3 V, -3 dB	TYP. 18 MHz

*1:Output power from hologram laser

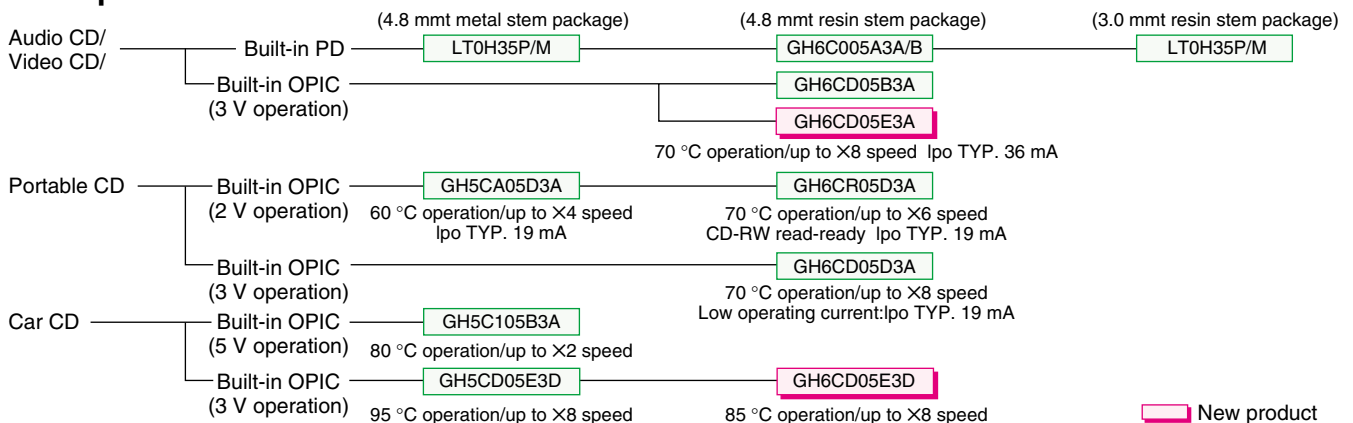
Outline Dimensions (Unit: mm)



[Pin configuration]



Line-up



GH6CD05E3A GH6CD05E3D 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.