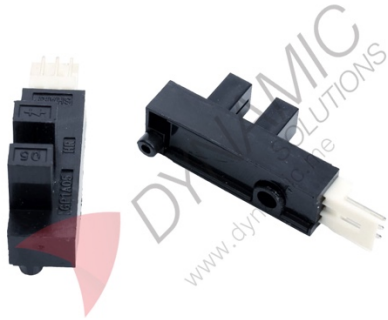


SHARP GP1A05HR Limit Sensor



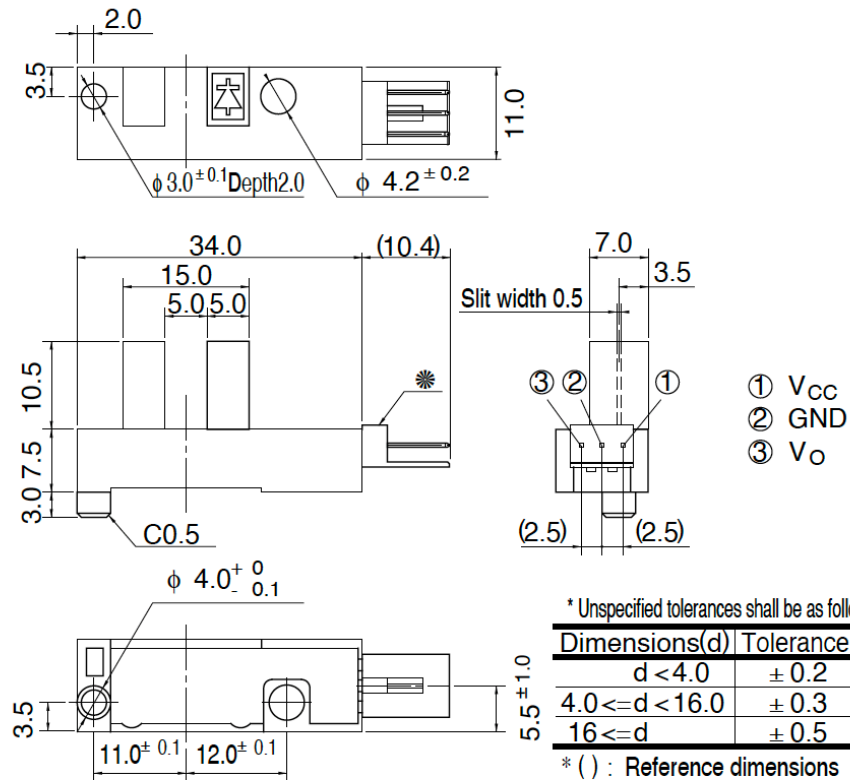
Features:

The SHARP GP1A05HR Limit Sensor is a compact optical sensor with a 3-pin connector terminal, high sensing accuracy, 0.5mm slit width, and 5mm gap between the light emitter and detector. It is designed for position and paper detection applications in copiers, printers, and facsimiles.

Specifications	
Product Name	SHARP GP1A05HR Limit Sensor
Model	GP1A05HR
Connector	3-pin connector terminal
Slit Width	0.5mm
Gap Between Light Emitter and Detector	5mm
Recommended Applications	Copiers, printers, facsimiles
Supply Voltage Absolute Maximum	GP1A05: -0.5V to +10V
Output Voltage Absolute Maximum	-0.5V to +28V
Low Level Output Current Absolute Maximum	50mA
Operating Temperature	-20C to +75C
Storage Temperature	-40C to +85C
Operating Supply Voltage	4.5V min, 5.5V max
Low Level Supply Current	30mA max
Low Level Output Voltage	0.35V max
High Level Supply Current	30mA max
High Level Output Voltage	VCC x 0.9 min
Response Frequency	3000Hz max
Recommended Bypass Capacitor	More than 0.01uF between VCC and GND near the device
Cleaning Note	Dip cleaning or ultrasonic cleaning is prohibited
Usage	Limit detection, position detection, printer sensor, copier sensor, facsimile sensor

Pinouts:

Pin Name	Description
VCC	Power supply input. Connect to 5V operating supply.
GND	Ground connection. Connect to circuit ground.
VO	Output signal pin. Provides the sensor output signal when the light beam is interrupted or uninterrupted.

GP1A05


✱ JAPAN AMP made
EI 3-pin connector 171825-3

Recommended connectors
on the inserted side
172053-3 etc. ✱✱

Product Pictures:

