

PS310 Series

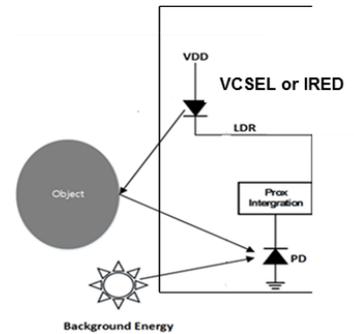
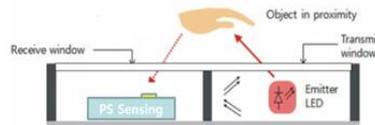
Proximity Sensor Series

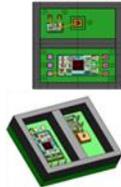
Sense and Actuate the future

The SNA's proximity sensor series allow a large dynamic range of operation for use in short distance detection behind dark glass such as in a cell phone or for longer distance measurements for applications such as presence detection for monitors or laptops. The programmable proximity detection enables continuous measurements across the entire range. In addition, an internal state machine provides the ability to put the device into a low power mode measurements providing very low average power consumption.

Applications

- Contactless Switches
- Sanitary Automation
- Cell Phone Touch Screen Disable
- Automatic Speakerphone Enable
- Automatic Menu Popup



	PS310L	PS310V	PS310DL	PS310DV
Optic source	LED (850nm)	VCSEL (850nm)	LED (850nm)	VCSEL (850nm)
Features	High / Low	High / Low	16bit code	16bit code
	3.3 ~ 5V	3.3 ~ 5V	3.3V	3.3V
	Modulation	Modulation	I2C interface	I2C interface
Distance	~ 10cm	~ 25cm	~ 10cm	~ 80cm
Size [mm3]	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9
Product Dimension				
Evaluation Board				
Board Size[mm2]	25 x 17	25 x 17	25 x 17	25 x 17

(Note 1) Using reflective object : White paper
(Made by Kodak Co., Ltd. gray cards R-27 · white face, reflective ratio : 90%)