

■ Electro-optical Characteristics

(Ta=25°C, Vcc=5V)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Distance measuring range	ΔL	*2 *4	3	—	30	cm
Output terminal voltage	V_{OH}	*2 Output voltage at high level	$V_{CC} - 0.3$	—	—	V
	V_{OL}	*2 Output voltage at low level	—	—	0.6	V
Distance characteristics of output	V_O	*2 *3 *5	12.5	15	17.5	cm
Average dissipation current	I_{CC}	—	—	33	50	mA

Note) L:Distance to reflective object

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

*3 We ship the device after the following adjustment:Output switching distance L=15cm±2.5cm must be measured by the sensor

*4 Distance measuring range of the optical sensor system

*5 Output switching has a hysteresis width. The distance specified by V_O should be the one with which the output L switches to the output H

Fig.1 Internal Block Diagram

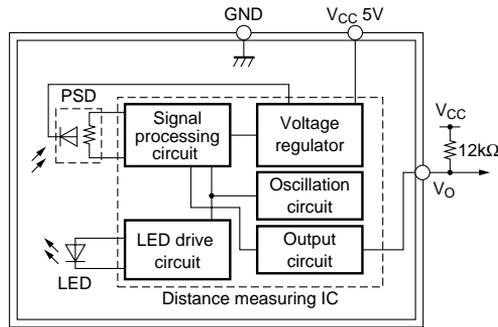


Fig.2 Timing Chart

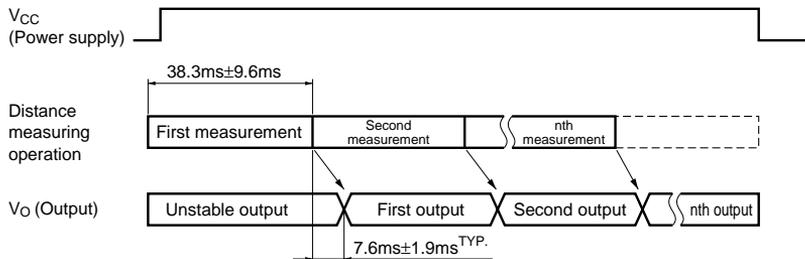
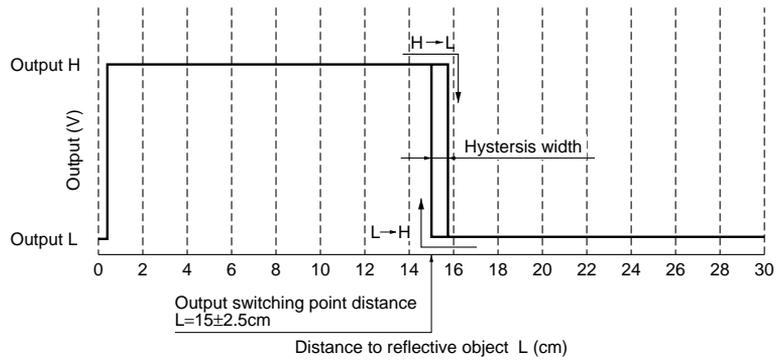


Fig.3 Distance Characteristics



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