

■ Absolute Maximum Ratings (T_a=25°C, V_{CC}=5V)

Parameter	Symbol	Rating	Unit
Supply voltage	V _{CC}	-0.3 to +7	V
Output terminal voltage	V _O	-0.3 to V _{CC} +0.3	V
Operating temperature	T _{opr}	-10 to +60	°C
Storage temperature	T _{stg}	-40 to +70	°C

■ Electro-optical Characteristics (T_a=25°C, V_{CC}=5V)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Average supply current	I _{CC}	L=80cm (Note 1)	—	30	40	mA
Distance measuring	ΔL	(Note 1)	10	—	80	cm
Output voltage	V _O	L=80cm (Note 1)	0.25	0.4	0.55	V
Output voltage differential	ΔV _O	Output voltage difference between L=10cm and L=80cm (Note 1)	1.65	1.9	2.15	V

* L : Distance to reflective object

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

■ Recommended operating conditions

Parameter	Symbol	Rating	Unit
Supply voltage	V _{CC}	4.5 to 5.5	V

Fig. 1 Timing chart

