

# Data Sheet

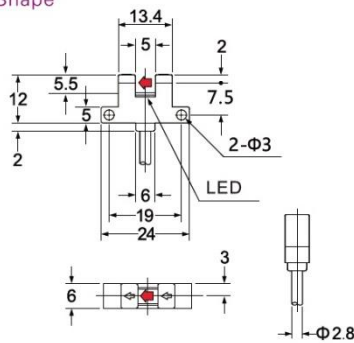
## < Micro Photoelectric Sensor >

Appearance	2582328	2582329	2582330	2582331	2582332	
Shape	K shape	L shape	F shape	R shape	U shape	
Sensing distance	5mm (Slot width)					
Standard sensing object	Opaque objects (Size: > 1.2*1.8mm)					
Repeat accuracy	< 0.03mm					
Output type	NPN open-collector					
Switch type	Selectable L.on/D.on					
Indicator	Light off when objects are detected; light on when no objects are detected					
Response frequency	3KHz					
Light source	Infrared LED (940nm)					
Operating voltage	5~24V DC					
Voltage drop	< 1V (Load current 50mA)					
Current brightness	≦ 16mA					
Protective circuit	Surge protection, Reverse polarity protection					
Ambient brightness	Incandescent lamp < 1000 Lux					
Ambient temperature	Operation: -25°C~+55°C, Storage: -30°C~+80°C, no freezing					
Ambient humidity	Operation: 5%~85%, Storage: 5%~95%, no condensation					
Withstand voltage	AC, 1000V for 1 minute, between all power connection terminals and housing					
Anti-vibration	10 to 55 Hz with 1.5mm amplitude for 2 hours each in X, Y, and Z directions					
Insulation resistance	20MΩ or more between all power connection terminals and housing (based on DC250V)					
Degree of protection	IP50					
Material	ABS					
Connection method	2M 4core cable					
Model No	NPN	SK-206NA-W	SL-205NA-W	SF-202NA-W	SR-204NA-W	SU-201NA-W

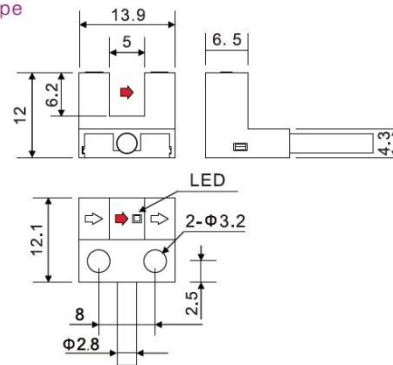
### Dimensions

Unit: mm

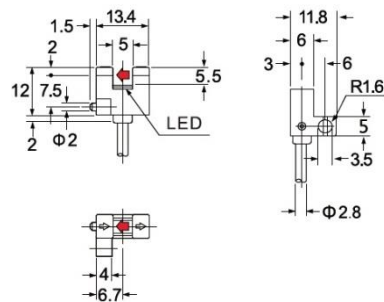
#### K Shape



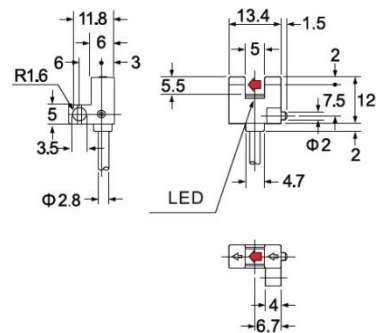
#### L Shape



#### F Shape

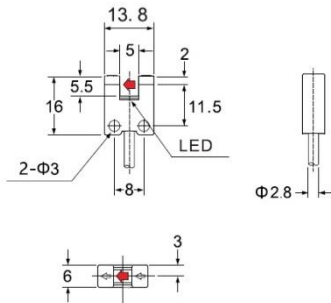


#### R Shape



## Data Sheet

### U Shape



### Circuit diagram

#### NPN

