

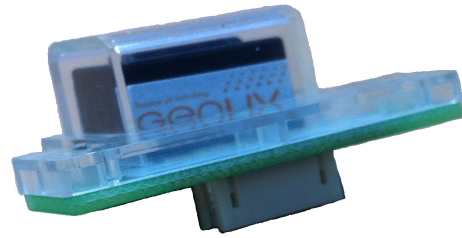
# Reflective UV Sensor

## GenUV-L365P-MM



### Features

- Light Emission Wavelength - 365nm
- Emitting part- Visible range absorbing filter
- Receiving part - UV absorbing filter
- Responding to fluorescence ink

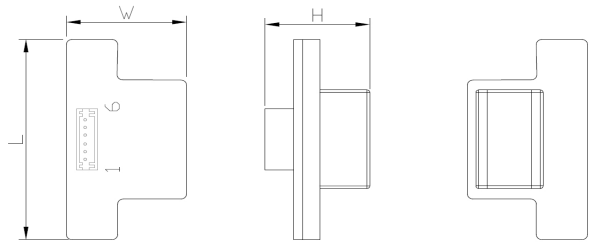


### Applications

- Money detecting
- Counterfeits bill detecting

### Outline Diagrams

Connection Info.	
1: Vout	4: LED (+)
2: GND	5: LED (-)
3: Vcc	6: NC



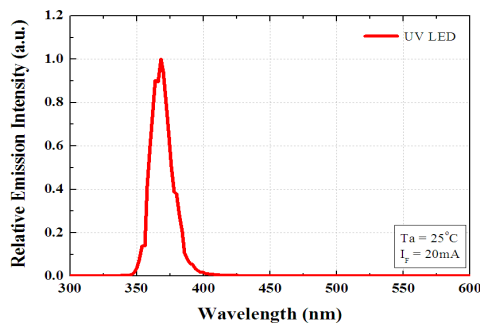
### 1. Absolute Maximum Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Storage Temperature	$T_{st}$	-40		90	$^{\circ}C$	
Operating Temperature	$T_{op}$	-30		85	$^{\circ}C$	
Supply Voltage	Vcc			5.5	VDC	
Soldering Temperature	$T_{sol}$			260	$^{\circ}C$	Within 10 sec

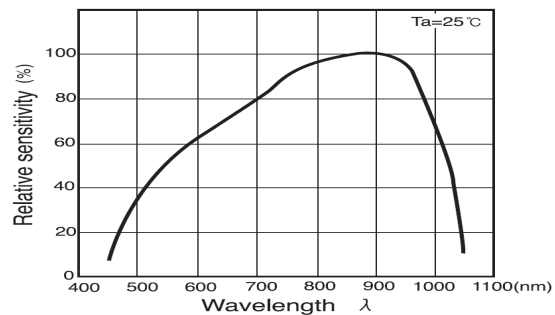
### 2. Electro-Optical Characteristics (at 25 $^{\circ}C$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Supply Voltage	Vcc	1.8		5.5	V	DC
Supply Current	$I_Q$		10	20	mA	
Emission Wavelength	$\lambda$		365		nm	$I_f=10mA$
Detection Range	P	400		1000	nm	< 5% transmittance
Output Voltage	Vo			10	mV	No object, in dark
			2.7		V	90% reflector paper
Detecting distance	d		2		mm	Max. Vout

### 3. Characteristic spectrums



UV LED emission spectrum



Responsivity of receiving sensor