

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

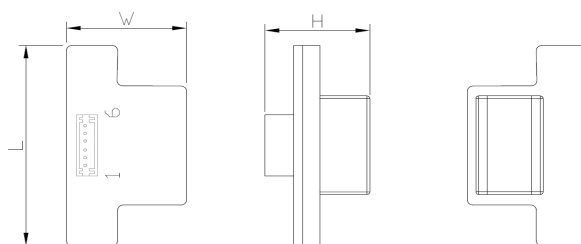


Applications

- Money detecting
- Counterfeits bill detecting

Outline Diagrams

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



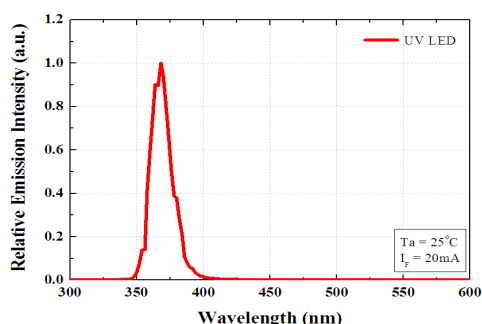
1. Absolute Maximum Ratings

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

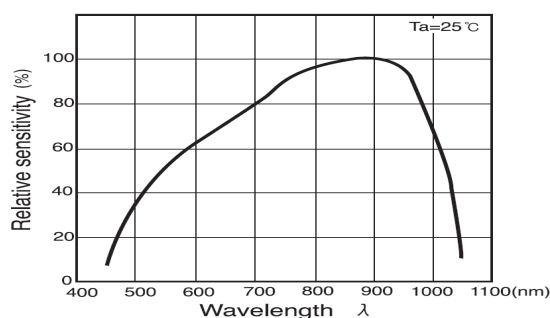
2. Electro-Optical Characteristics (at 25 °C)

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	λ		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