



# Mini UV Sensor Module

Model: GM1-UVx-I5O5

## General features:

- High sensitivity and proved reliability
- Single power supply
- Analog 0-5 V linear output



**Applications:** UV LED monitoring, air sterilization monitoring

## Specifications:

Parameters	Symbol	Value	Unit	Remark
<b>Maximum ratings</b>				
Operation temperature	$T_{op}$	-20-75	°C	
Storage temperature	$T_{sp}$	-30-85	°C	
Soldering temperature	$T_{sol}$	260	°C	Within 10 s
<b>Electro-optical characteristics (25 °C)</b>				
Supply voltage	$V_{cc}$	5	V	DC
Output signal	$V_{out}$	0-5	V	
Detection wavelength range		230-285	nm	GM1-UVC-I5O5
		230-325		GM1-UVB-I5O5
		230-370		GM1-UVA-I5O5
		290-440		GM1-UVV-I5O5
Power measurement range	P	0-20	mW/cm <sup>2</sup>	See other options <sup>2</sup>
<b>Connection</b>				
Standard pin header	3-pin configuration: $V_{cc}$ , GND, $V_{out}$			

<sup>1</sup> UVA, UVB, UVC, UVV and full UV band are all available upon request.

<sup>2</sup> Power measurement range: 0-0.1 mW/cm<sup>2</sup> (option), 0-100 mW/cm<sup>2</sup> (option), 0-1 W/cm<sup>2</sup> (option).

## Drawing (Unit: mm)

