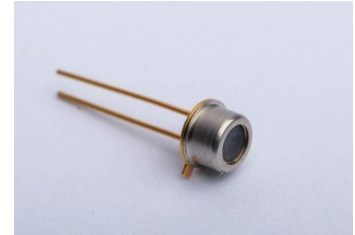




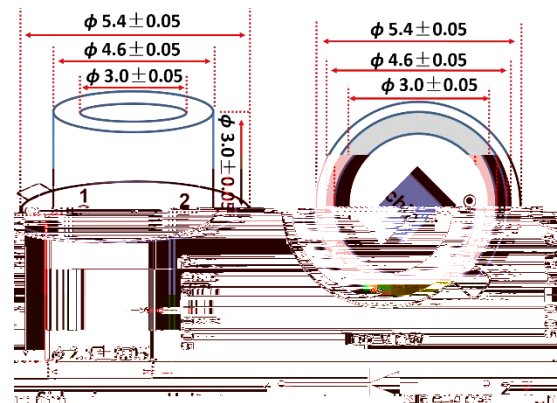
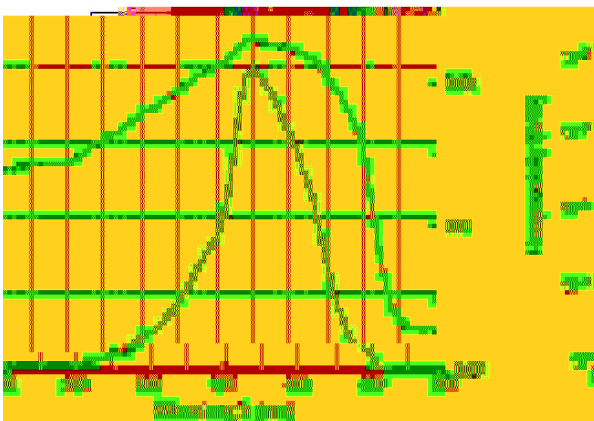
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- Indi m galli m ni ride ba ed ma erial
- Pho o ol aic mode opera ion
- TO-46 me al ho ing i h in- i a en a or
- Long life ime for rong UV radia ion e ing applica ion



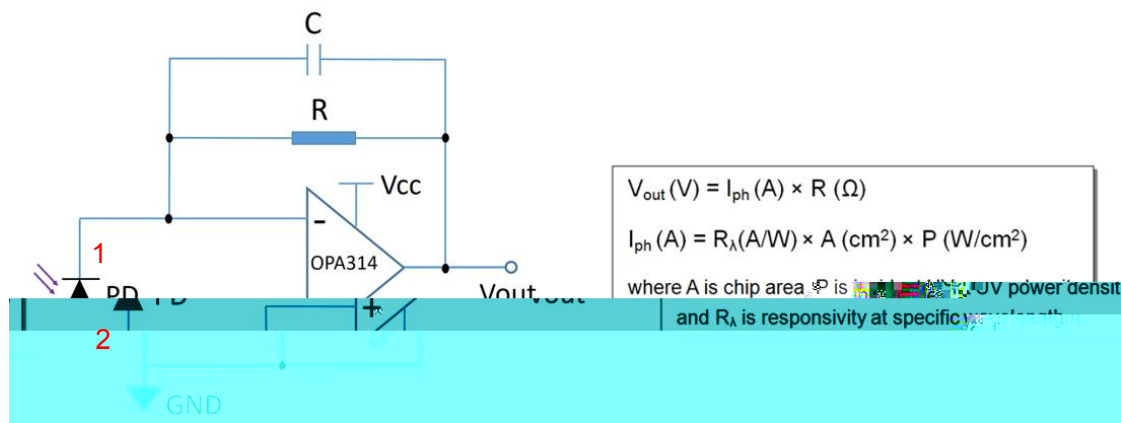
UV LED moni oring, UV radia ion do e mea remen , UV c ring

Opera ion empera re range	$T_{op}$	-25-85	°C
S orage empera re range	$T_o$	-40-85	°C
Soldering empera re (3 )	$T_{ol}$	260	°C
Re er e ol age	$V_{r-ma}$	-10	V
Chip i e	A	1	mm <sup>2</sup>
Dark c rren ( $V_r = -1$ V)	$I_d$	<1	nA
Tempera re coefficien	$T_c$	0.05	%/°C
Capaci ance (a 0 V and 1 MH )	$C_p$	60	pF
Wa eleng h of peak re pon i i	$\lambda_p$	375	nm
Peak re pon i i (a 375 nm)	$R_{ma}$	0.021	A/W
Spec ral re pon e range ( $R=0.1 R_{ma}$ )	-	290-440	nm
UV- i ible rejec ion ra io ( $R_{ma} / R_{460\text{ nm}}$ )	-	$>10^4$	-

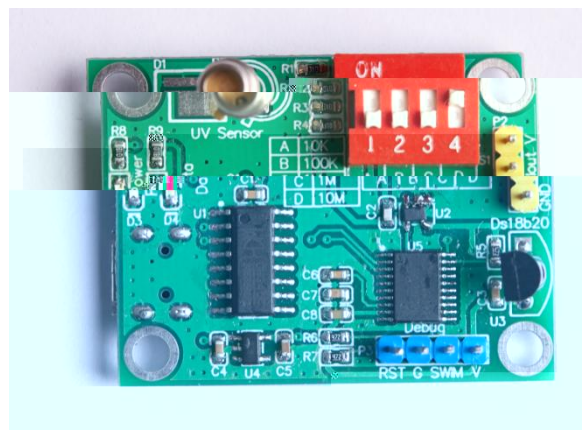




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A small functional amplifier board for developing and prototyping applications can be provided. The evaluation board has one amplifier channel for both SMD- and TO- package UV photodiodes supplied by GaNo Op. Uer could choose one of the following for UV photodiode evaluation, while both should not be used at the same time.



The evaluation board provides measurement range adjustment function via a dip switch. Different setting of the dip switch corresponds to different load resistance value, which determines the amplification magnitude of the signal processing circuit. A temperature sensor on board is used for embedded temperature compensation.

The UV photodiode evaluation board has both analog and digital interface. Analog interface provides voltage signal as a function of UV illumination intensity, while digital interface provides serial communication to PC with digital output. A backside micro-USB port provides digital interface to PC with USB cable connection. Uer could use serial communication host software in PC to receive direct measurement data from the evaluation board.

For ordering this evaluation board, please visit <http://www.gano-op.com>, where the application note of this board, its host software and all information about GaNo Op. UV photodiode can be found.

Note: The board is shipped with an photodiode.