-
-
-
-

Responsivity (A/W)

0.3

0.2

0.1

10^{-1}
10^{-2}
10^{-3}

φ 5.4±0.05   φ 5.4±0.05

φ 4.6±0.05   φ 4.6±0.05

Top view

Side view   Unit: mm
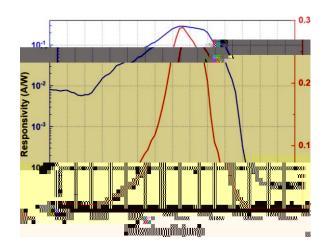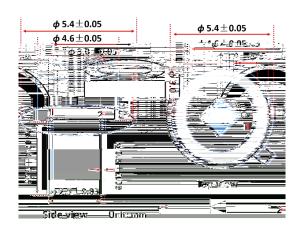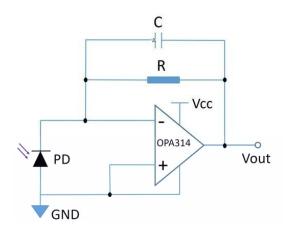
$$V_{out}(V) = I_{ph}(A) \times R(\Omega)$$

$$I_{ph}(A) = R_\lambda(A/W) \times A(cm^2) \times P(W/cm^2)$$

where A is chip area, P is incident UV power density and R_λ is responsivity at specific wavelength.