

# GaN-based UV photodiode

## Model: GT-ABC-XL

#### **General Features:**

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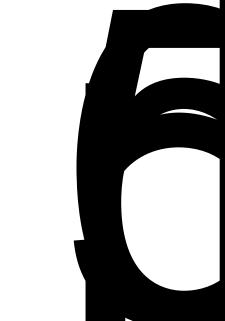
## **Applications:**

**Specifications:** 

Parameters	Symbol	Value	Unit
Maximum ratings			

General characteristics (25 °C)

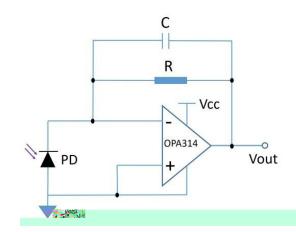






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### **Application circuit:**



$V_{out}(V) =$	$I_{ph}(A) \times$	R (Ω)
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 $I_{ph}(A) = \mathsf{R}_{\lambda}(A/\mathsf{W}) \times A(\mathsf{cm}^2) \times \mathsf{P}(\mathsf{W}/\mathsf{cm}^2)$ 

where A is chip area, P is incident UV power density and  $R_{\lambda}$  is responsivity at specific wavelength.

#### **Evaluation circuit board:**

