

EPIGAP Optronik GmbH

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Data Sheet

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UV photodiode

EOPD-280-0-0.3-2-1

Rev. 02, 2015

Radiation	Type	Technology	Case
ultraviolet	UV-glass	SiC	TO-39

Description:	
	<p>Highly reliable photodiode with high spectral sensitivity in the UV range (210 nm - 380 nm), mounted in hermetically sealed TO-39 package with UV-glass window</p>

Maximum Ratings

$T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Symbol	Value	Unit
Active area	A	0.055	mm ²
Operating temperature range	T_{amb}	-25 to +70	°C
Storage temperature range	T_{stg}	-40 to +100	°C

Optical and Electrical Characteristics

$T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Breakdown voltage ¹⁾	$I_R = 100 \mu\text{A}$	V_R		20		V
Dark current	$V_R = 1 \text{ V}$	I_D		1		fA
Peak sensitivity wavelength	$V_R = 0 \text{ V}$	λ_p		275		nm
Responsivity at λ_p	$V_R = 0 \text{ V}$	S_λ		0.13		A/W
Sensitivity range at 1%	$V_R = 0 \text{ V}$	$\lambda_{min}, \lambda_{max}$	210		380	nm
Junction capacitance	$V_R = 0 \text{ V}$	C_J		21		pF

¹⁾ for information only



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

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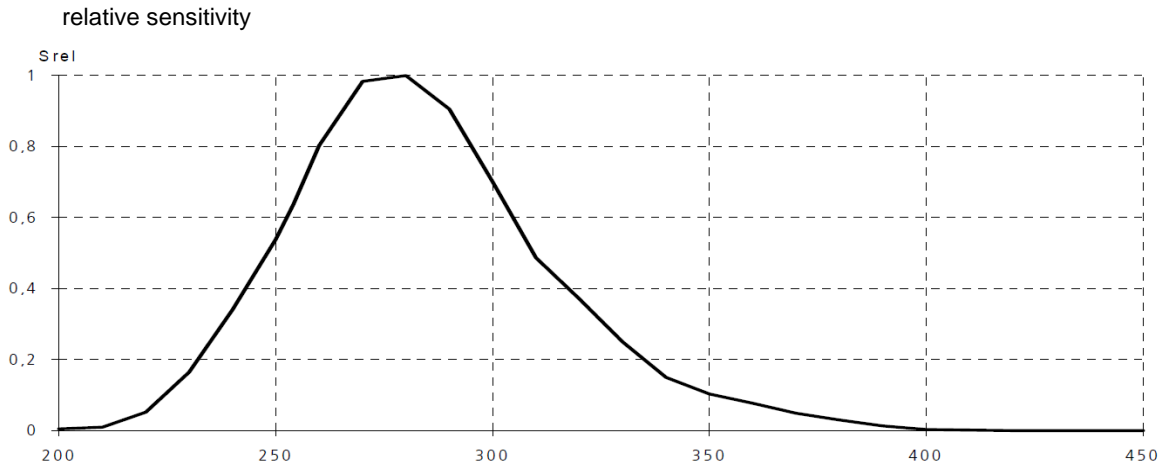
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