

# EPIGAP Optronik GmbH

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## Data sheet

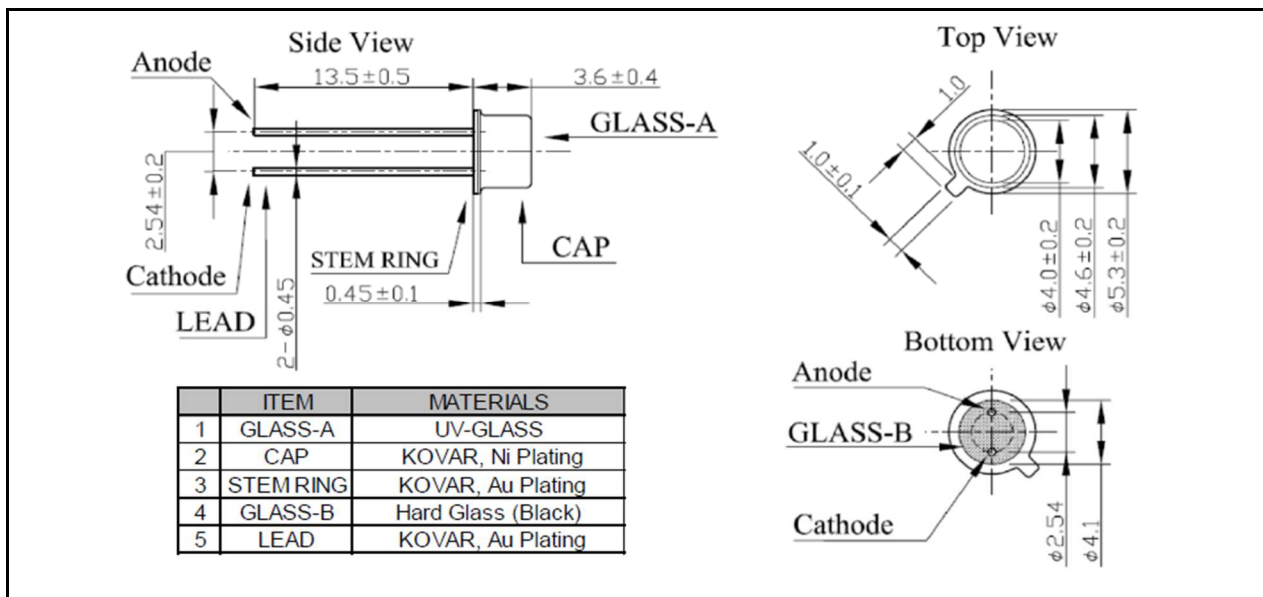
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### UV LED

### EOLD-325-093

Rev. 01, 2020

Radiation	Type	Case
Ultraviolet (UVB)	AlGaN	metal TO-18 package with flat window



All dimensions in mm.

### Maximum Ratings

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

Parameter	Test conditions	Symbol	Value	Unit
Forward current		$I_F$	40	mA
Operating temperature range		$T_{amb}$	-30 to +80	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-40 to +100	$^{\circ}\text{C}$
Lead soldering temperature	Manual soldering, < 3 s	$T_{slg}$	350	$^{\circ}\text{C}$
Lead soldering temperature	Flow soldering, < 5 s	$T_{slg}$	250	$^{\circ}\text{C}$

### Optical and Electrical Characteristics

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 20 \text{ mA}$		4.5		V
Radiant power	$\Phi_e$	$I_F = 20 \text{ mA}$		1.2		mW
Peak wavelength	$\lambda_p$	$I_F = 20 \text{ mA}$	320	325	330	nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 20 \text{ mA}$		11		nm
Viewing angle	$\varphi$	$I_F = 20 \text{ mA}$		113		deg.



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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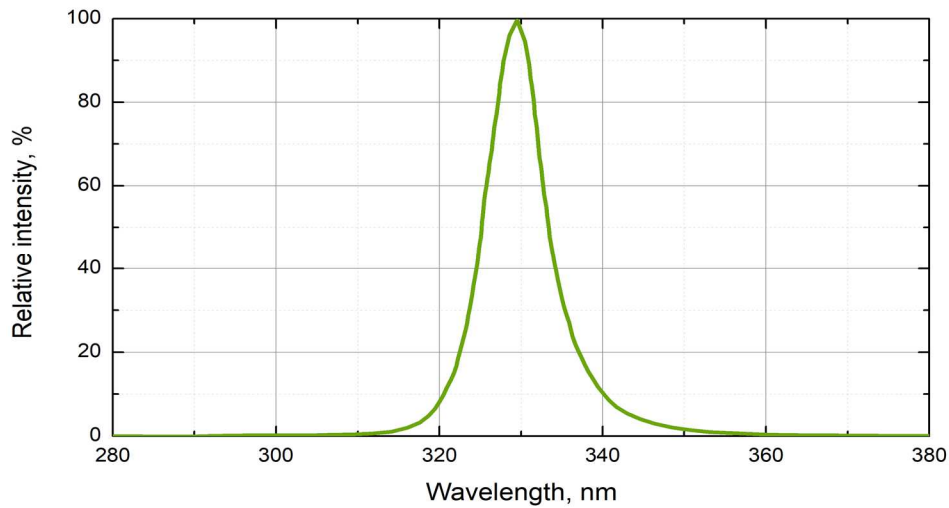
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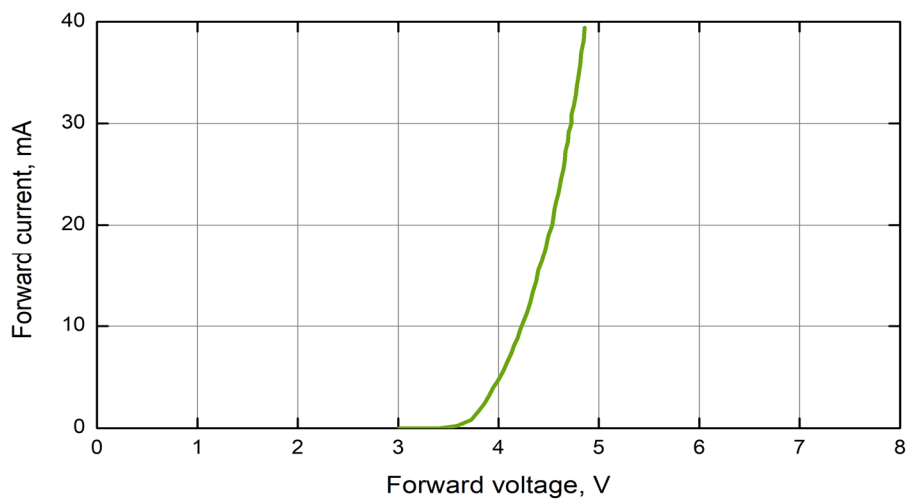
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Spectrum @ 20 mA



Forward current vs. forward voltage



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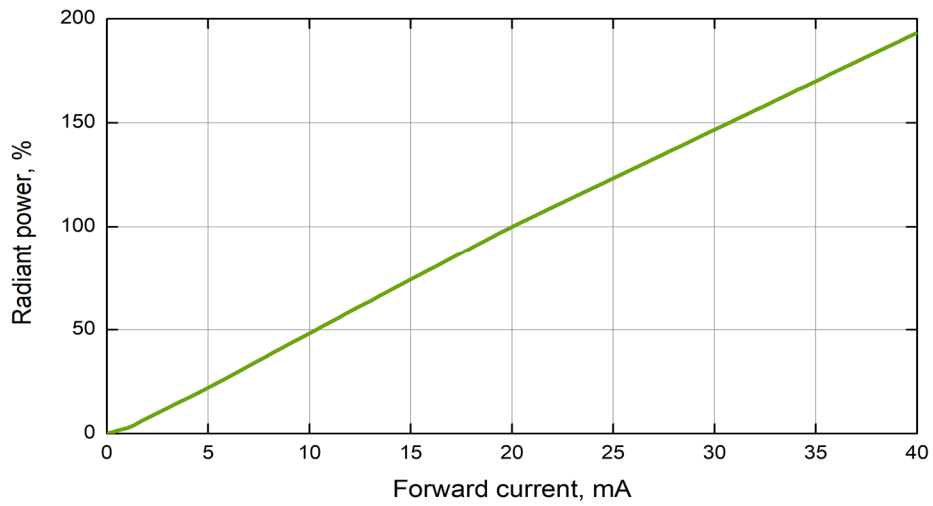
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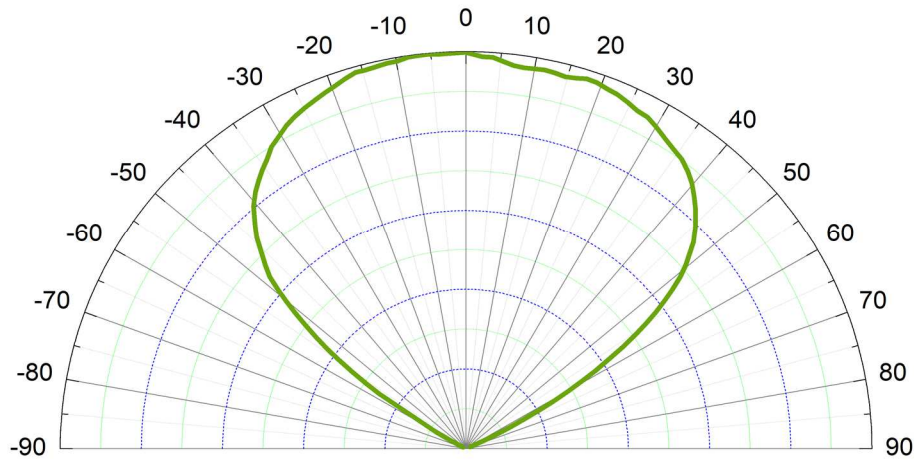
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Radiant power vs. forward current



Radiation pattern

Art. No. 134 116



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