

# EPIGAP Optronik GmbH

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## Data sheet

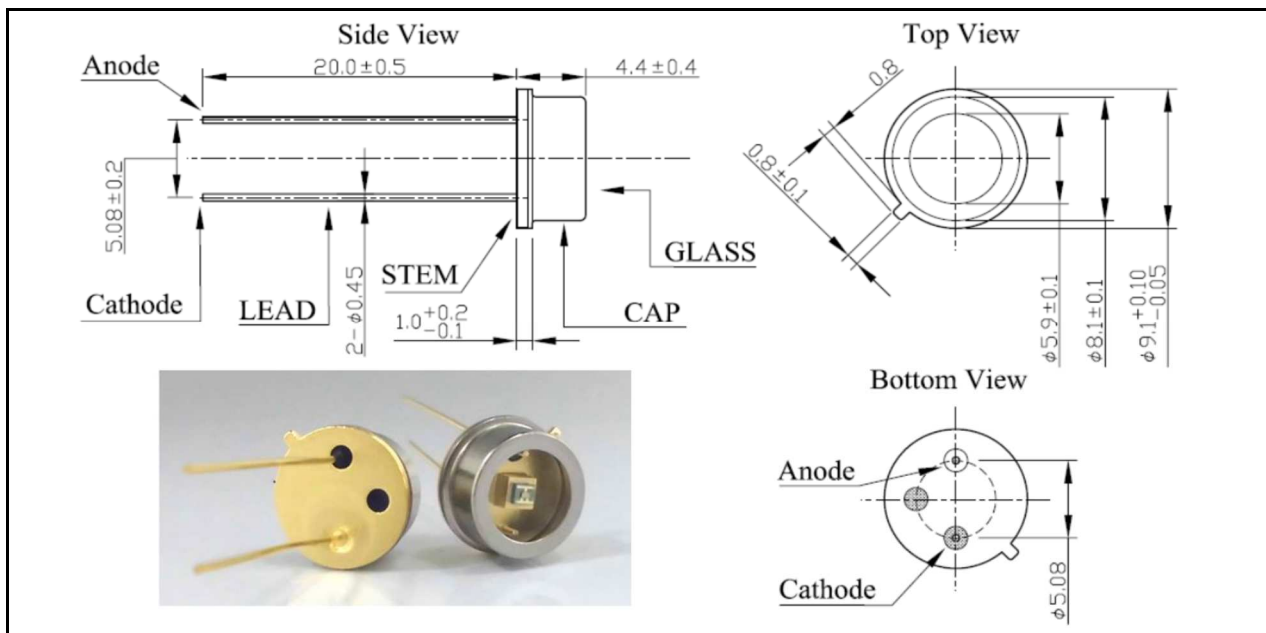
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### UV LED

### EOLD-325-093-1

Rev. 02, 2020

Radiation	Type	Case
Ultraviolet (UVA)	AlGaIn	metal TO-39 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
Power dissipation		$P_D$	160	mW
Operating temperature range		$T_{amb}$	-30 to +80	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-40 to +100	$^{\circ}\text{C}$
Flow soldering temperature	< 5 s	$T_{slg}$	250	$^{\circ}\text{C}$
Manual soldering temperature	< 3 s	$T_{slg}$	350	$^{\circ}\text{C}$

### 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	$\Phi_e$	$I_F = 20 \text{ mA}$		1.7		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	$\varphi$	$I_F = 20 \text{ mA}$		$\pm 57$		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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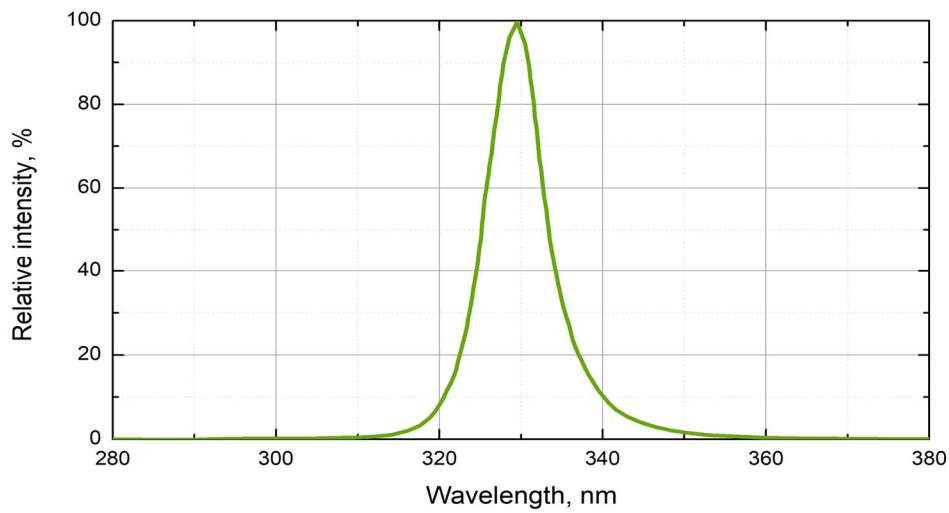
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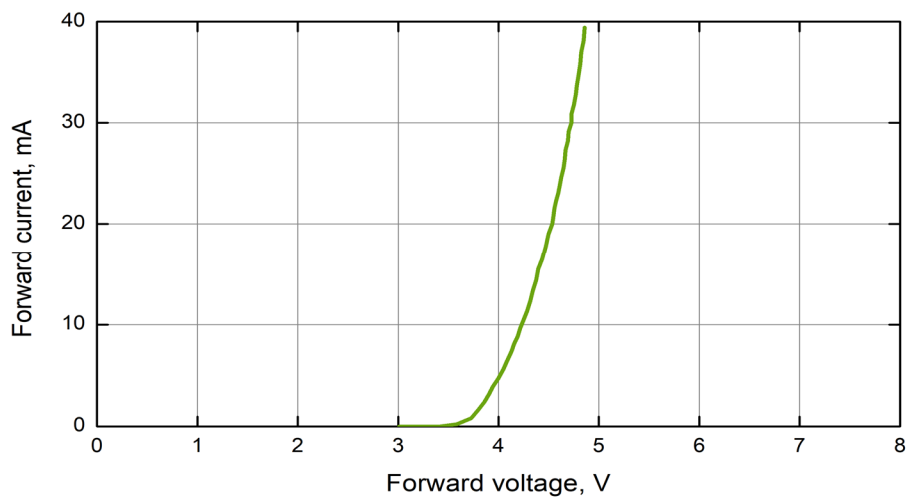
### UV LED

### EOLD-325-093-1

Rev. 02, 2020



Spectrum @ 20 mA



Forward current vs. forward voltage



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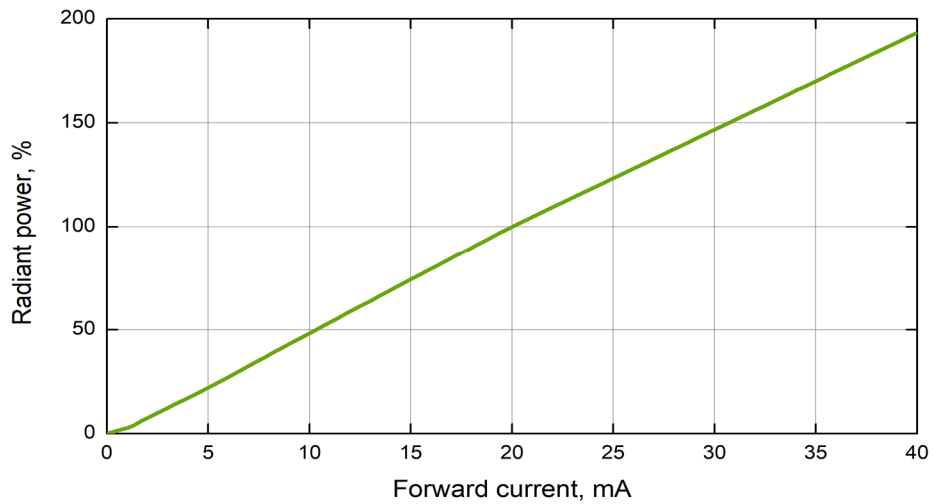
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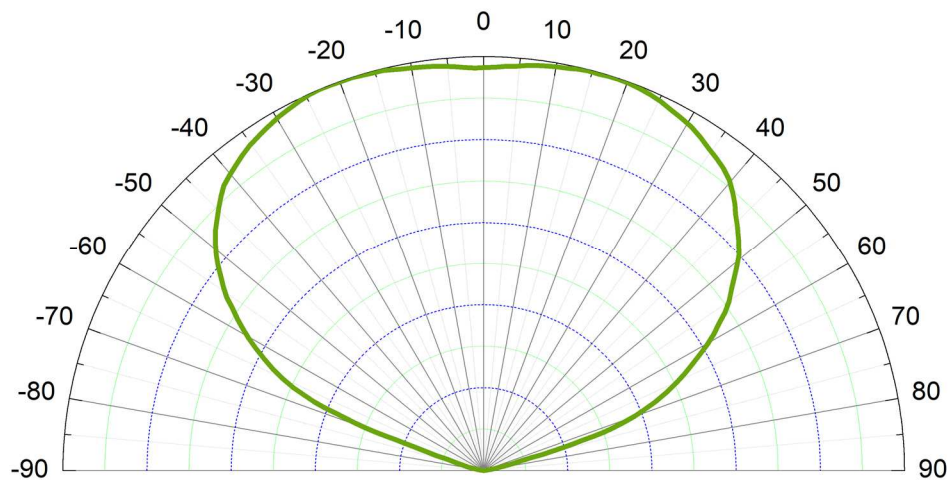
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Radiant power vs. forward current



Radiation pattern

Art. No. 134 059



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