

EPIGAP Optronik GmbH

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Data sheet

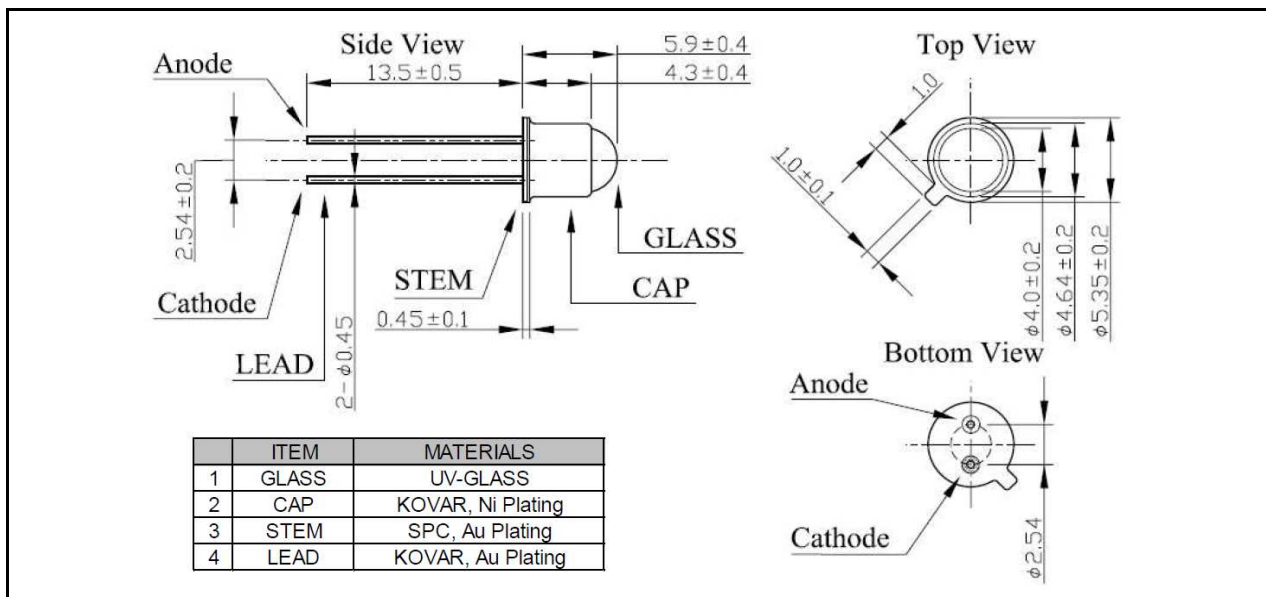
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UV LED

EOLD-340-013

Rev. 05, 2020

Radiation	Type	Case
Ultraviolet (UVA)	AlGaN	metal TO-46 package with lens



All dimensions in mm.

anode, connected with case
 cathode, isolated from case

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	$I_F = 20 \text{ mA}$		4.0		V
Radiant power	Φ_e	$I_F = 20 \text{ mA}$		0.9		mW
Peak wavelength	λ_p	$I_F = 20 \text{ mA}$	335	340	345	nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 20 \text{ mA}$		9		nm
Viewing angle	φ	$I_F = 20 \text{ mA}$		6		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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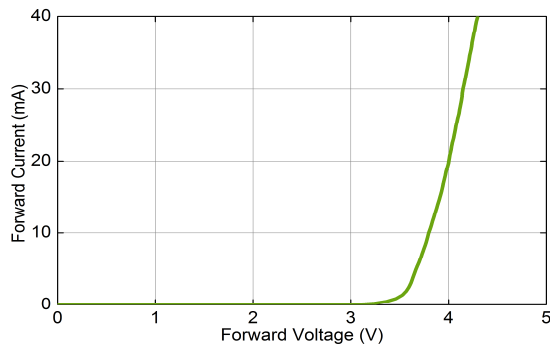
Data sheet

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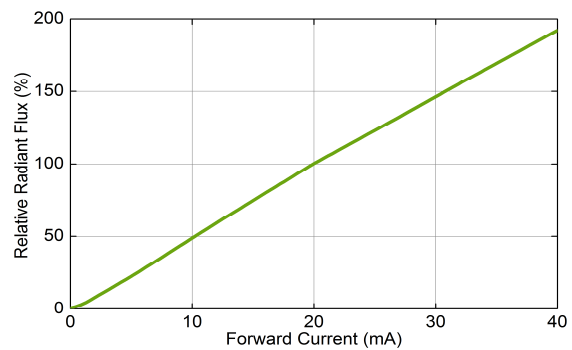
UV LED

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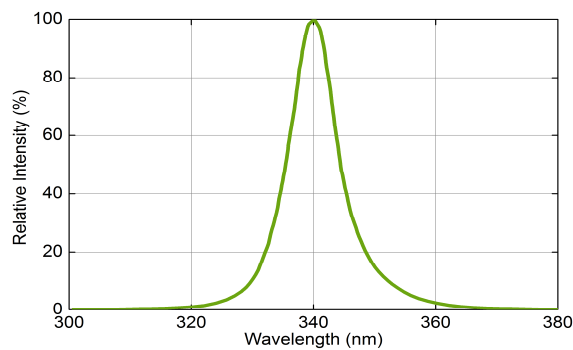
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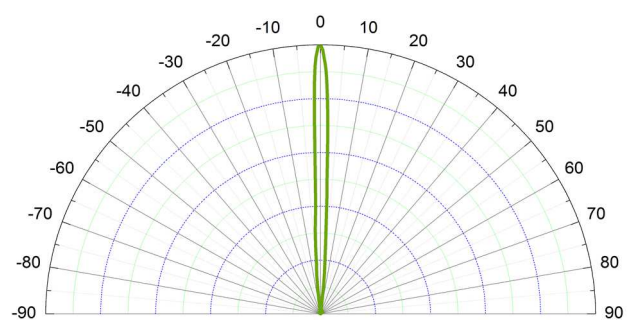
Forward current vs forward voltage



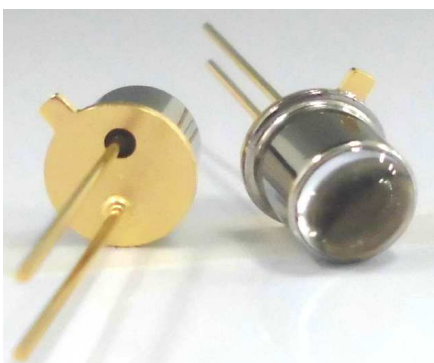
Radiant power vs forward current



Spectrum @ 20 mA



Radiation pattern



Art. No. 134 076



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