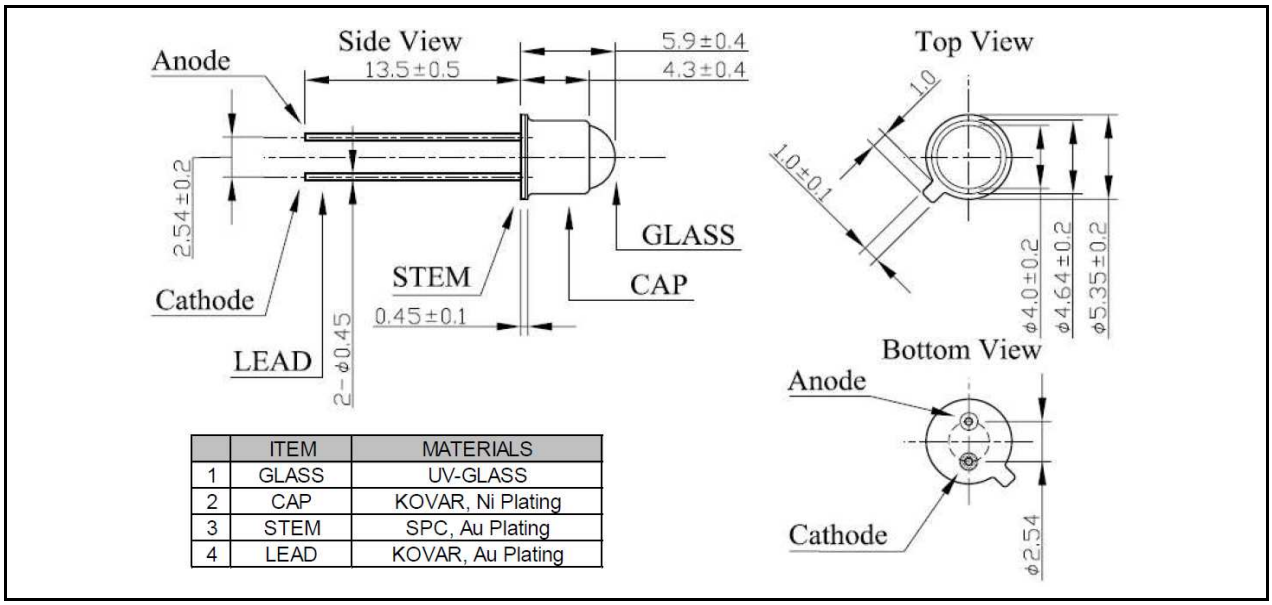
EPIGAP Optronic GmbH
Koepenicker Str. 325
D-12555 Berlin
Fon: +49 (0)30 657637 60
Fax: +49 (0)30 657637 70
sales@epigap-optronic.de

Data sheet

UV LED — EOLD-325-013

Rev. 05, 2021

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



	ITEM	MATERIALS
1	GLASS	UV-GLASS
2	CAP	KOVAR, Ni Plating
3	STEM	SPC, Au Plating
4	LEAD	KOVAR, Au Plating

All dimensions in mm

anode, connected with case

cathode, isolated from case

Maximum Ratings

T_{amb}= 25°C, unless otherwise specified

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

Optical and Electrical Characteristics

T_{amb}= 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F= 20 mA		4.5		V
Radiant power	Φ_e	I_F= 20 mA		1.0		mW
Peak wavelength	λ_p	I_F= 20 mA	320	325	330	nm
FWHM	$\Delta\lambda_{0,5}$	I_F= 20 mA		11		nm
Viewing angle	φ	I_F= 20 mA		6		deg.

RoHS COMPLIANT Pb Pb-Free

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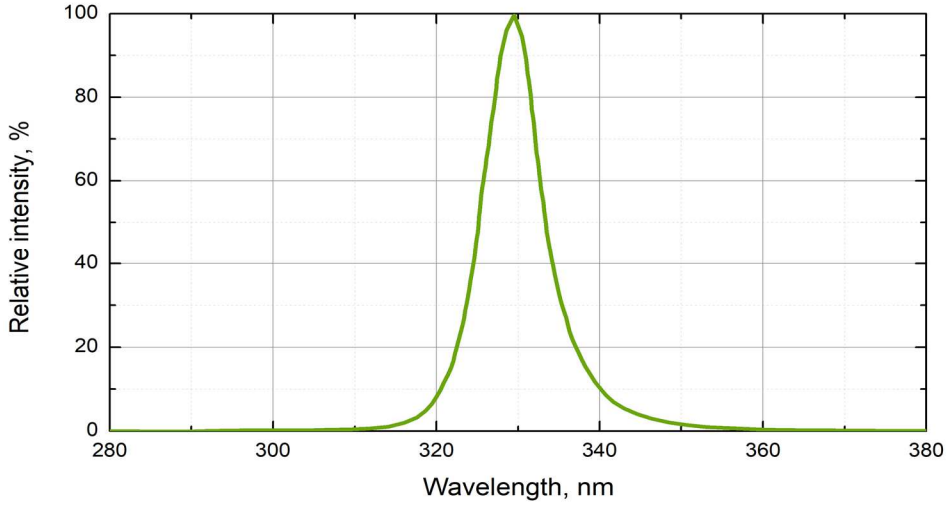
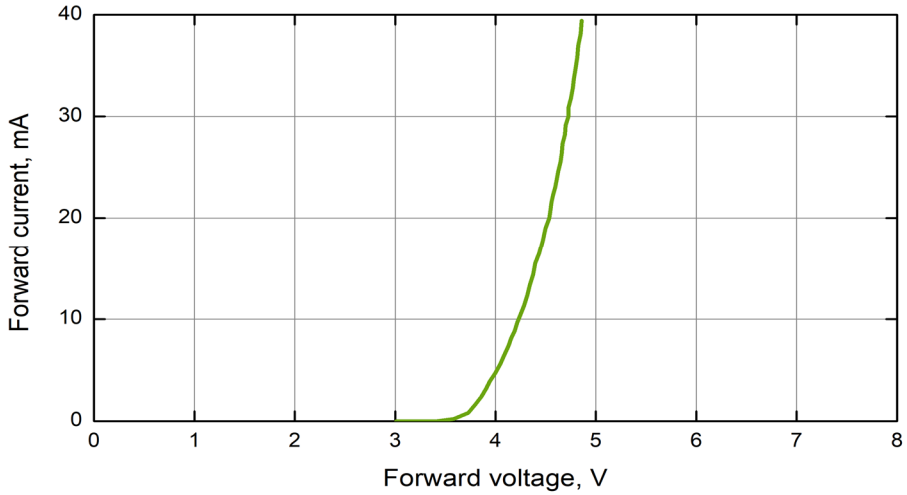


Spectrum @ 20 mA



Forward current vs. forward voltage

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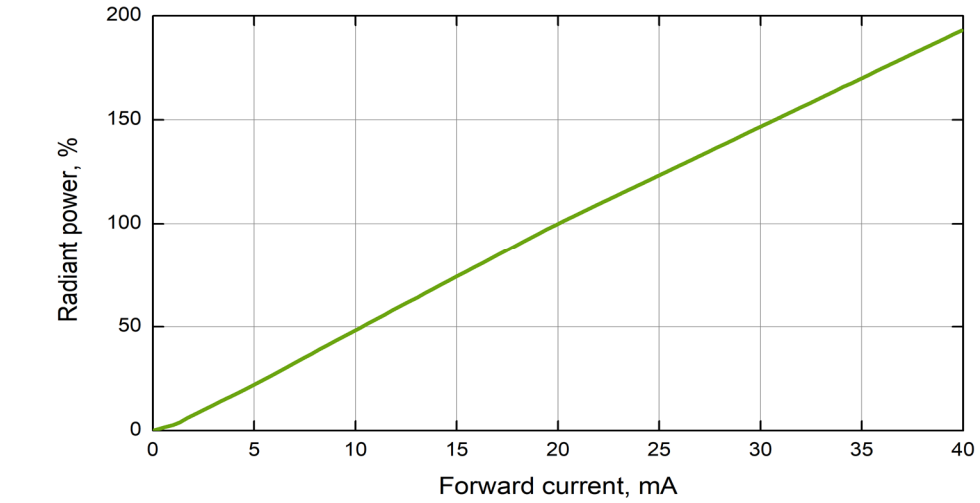
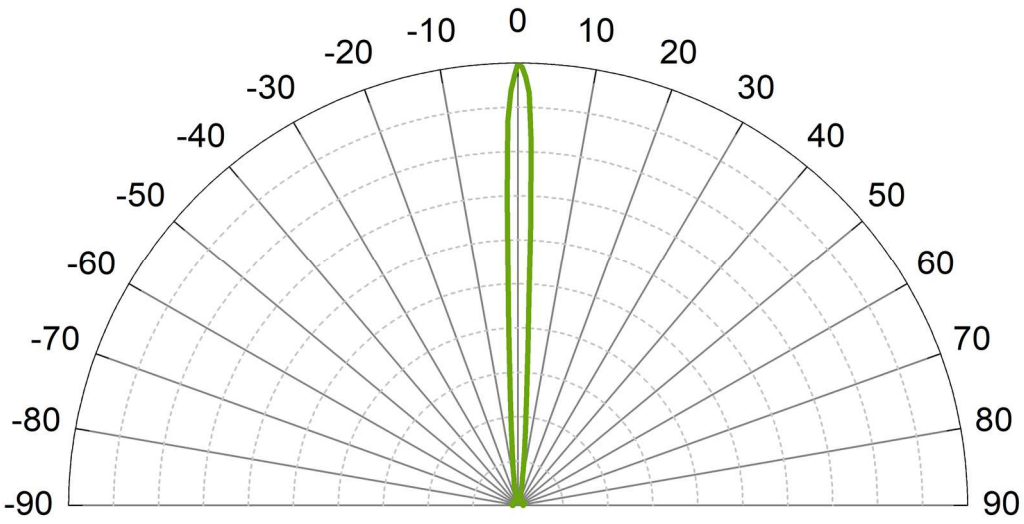


Radiant power vs. forward current



Radiation pattern

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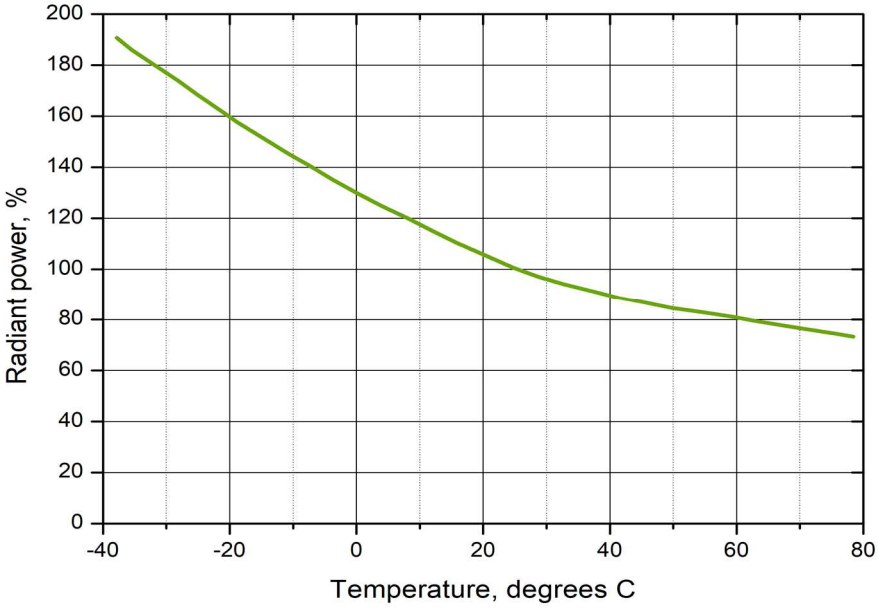
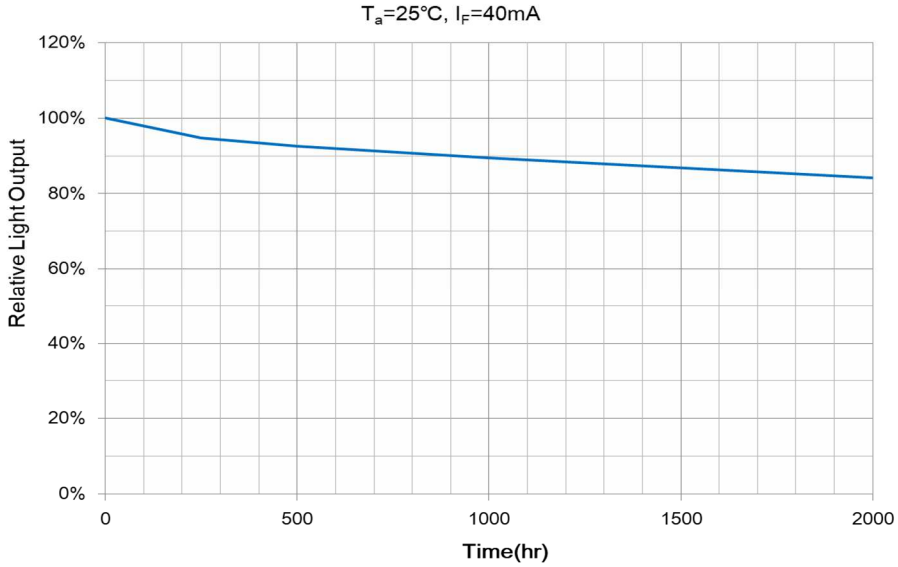


Radiant power vs. temperature



Life time data

Art. No. 134 039