

# EPIGAP Optronik 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 SMD LED

### EOLS-325-695

page 1 of 3  
 Rev. 03, 2020

Radiation	Type	Case
UVA	AlGaIn	Ceramic SMD 3535 (1414), flat top

Unit: mm

**Applications:**

- Analytical instruments: biochemical, medical, and scientific analysis
- Photo catalyst
- Medical phototherapy
- UV curing: spot bonding, printing, film coating and general purpose

### Maximum Ratings

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

Parameter	Test conditions	Symbol	Value	Unit
Forward current		$I_F$	150	mA
Junction temperature		$T_J$	90	$^{\circ}\text{C}$
Operating temperature range		$T_{amb}$	-30 to +85	$^{\circ}\text{C}$
Storage temperature range	no condensation	$T_{stg}$	-40 to +85	$^{\circ}\text{C}$
Thermal resistance junction-ambient		$R_{th}$	20	K/W

### Optical and Electrical Characteristics

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

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	$V_F$	$I_F = 100 \text{ mA}$		4.7		V
Radiant power	$\Phi_e$	$I_F = 100 \text{ mA}$	7	12	18	mW
Peak wavelength	$\lambda_p$	$I_F = 100 \text{ mA}$	320	325	330	nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 100 \text{ mA}$		13		nm
Viewing half angle	$\varphi$	$I_F = 100 \text{ mA}$		120		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.

# EPIGAP Optronik GmbH

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

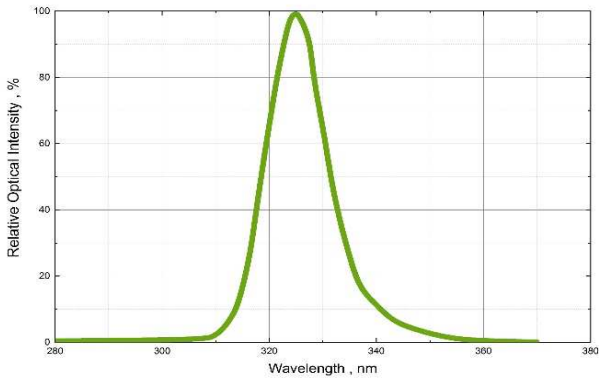


## Data Sheet

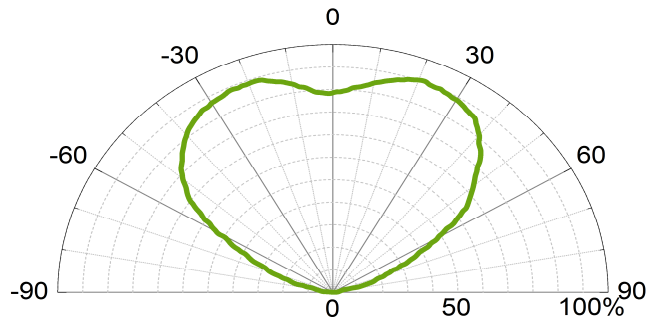
### UV SMD LED

### EOLS-325-695

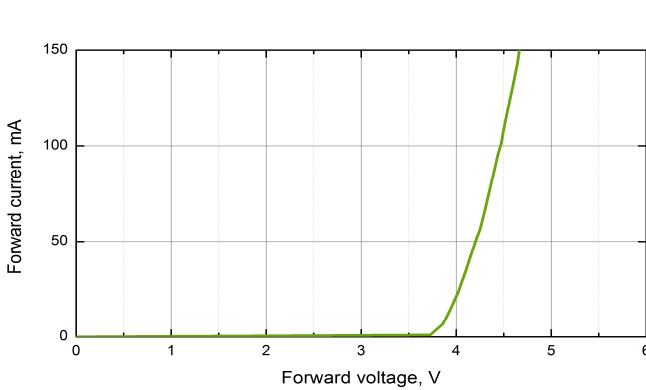
page 2 of 3  
 Rev. 03, 2020



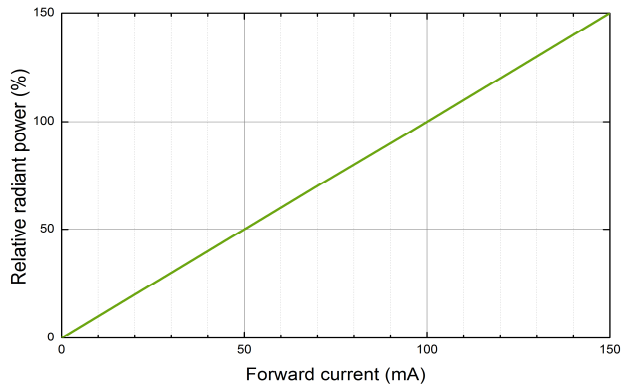
Spectrum at 100 mA



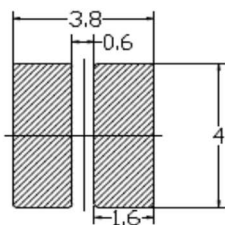
Radiation pattern



Forward current vs forward voltage

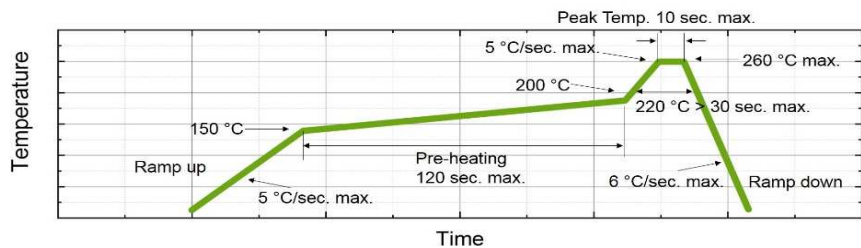


Radiant power vs forward current



Unit : mm

Recommended solder pad



Recommended reflow soldering profile



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.

# EPIGAP Optronik GmbH

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

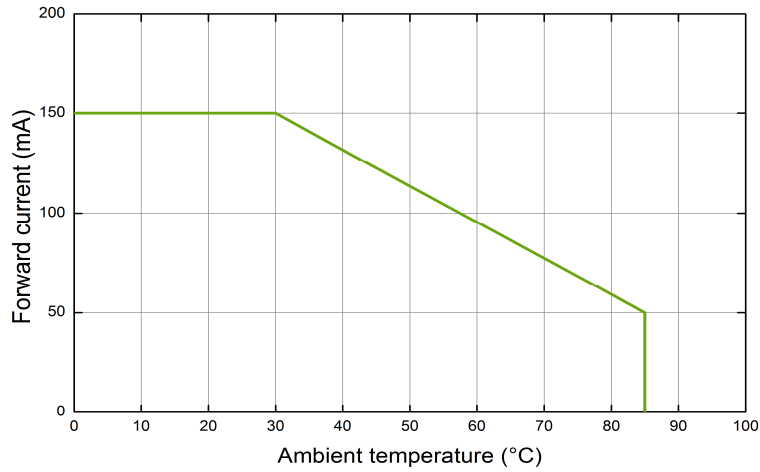


## Data Sheet

**UV SMD LED**

**EOLS-325-695**

**page 3 of 3**  
Rev. 03, 2020



**Derating curve**

Art. No. 133 202



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.