

# EPIGAP Optronik GmbH

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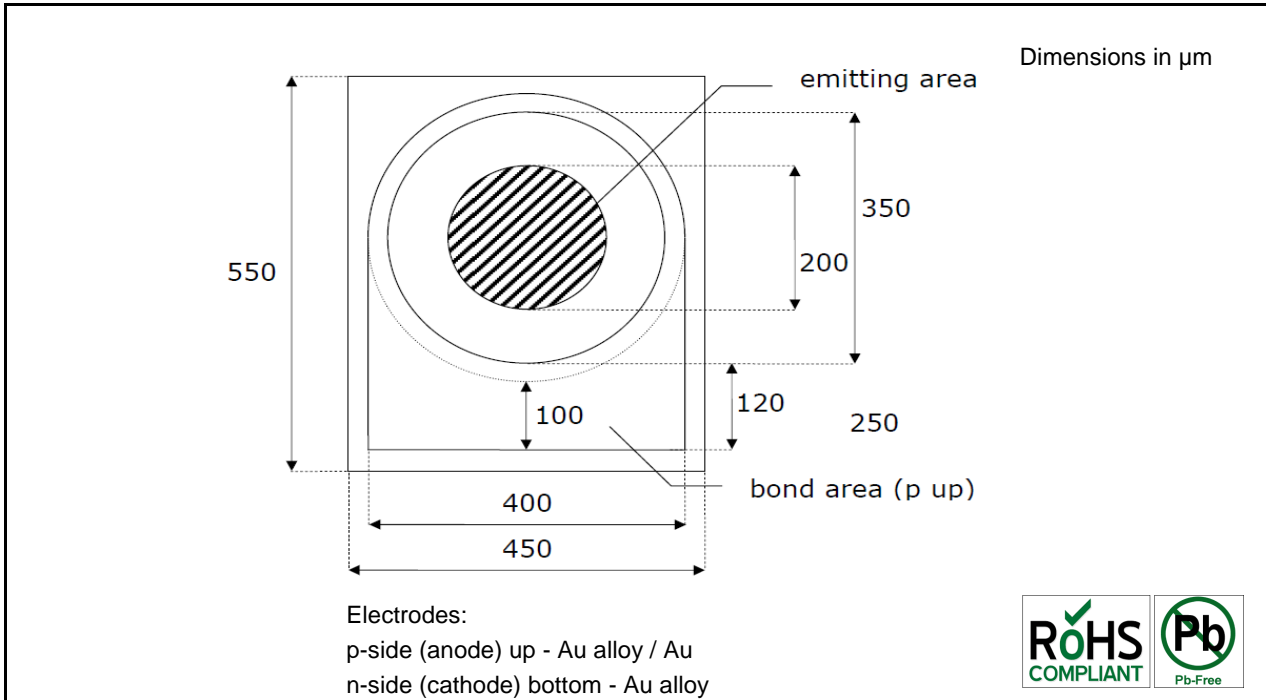


## LED Chip Vis Point Source

**EOLC-645-19-200**

Rev. 03, 2016

Radiation	Type	Electrodes
red	AllnGaP/GaAs	P (anode) up



### Absolute Maximum Ratings

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

Parameter	Symbol	Rating	Unit
Forward current	$I_F$	50	mA
Reverse voltage	$V_R$	5	V

### Optical and Electrical Characteristics\*

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	$V_F$		2.05	2.3	V
Reverse current	$V_R = 5 \text{ V}$	$I_R$			100	$\mu\text{A}$
Luminous intensity	$I_F = 20 \text{ mA}$	$I_V$	40	50		mcd
Radiant power	$I_F = 20 \text{ mA}$	$\Phi_e$	1	1.3		mcd
Peak wavelength	$I_F = 20 \text{ mA}$	$\lambda_P$	640	650		nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		18		nm

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.