

# EPIGAP Optronic GmbH

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



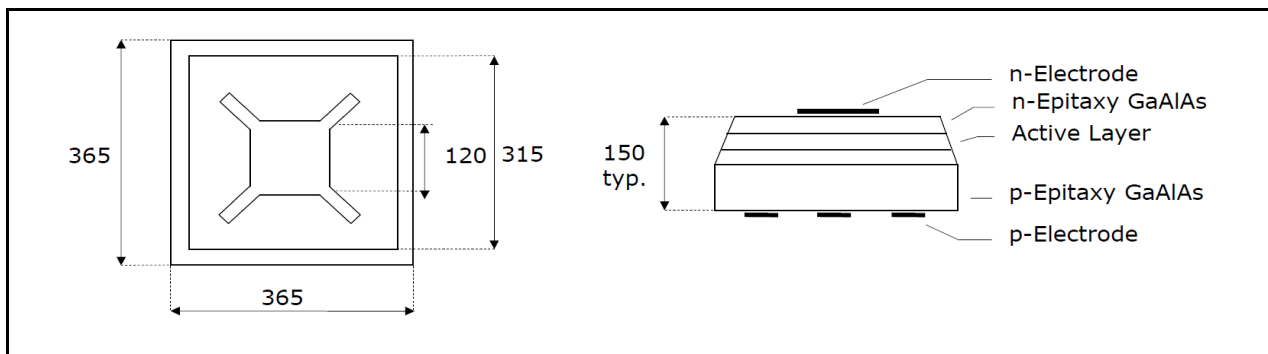
## Data Sheet

### LED Chip Infrared

**EOLC-850-27**

Rev. 03, 2017

Radiation	Type	Electrodes
Infrared	AlGaAs, DDH	N (cathode) up



### Optical and Electrical Characteristics

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	$V_F$		1.35		V
Reverse voltage	$I_R = 100 \mu\text{A}$	$V_R$	5			V
Radiant power*	$I_F = 20 \text{ mA}$	$\Phi_e$	5	6.5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	$\lambda_p$	840	850	860	nm
FWHM	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		27		nm
Switching time	$I_F = 20 \text{ mA}$	$t_r, t_f$		20		ns

\*Power measurement on gold plate

### Packing

Chips on adhesive film with wire bond side up

Art. No. 113 048



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.