

# EPIGAP Optronik GmbH

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



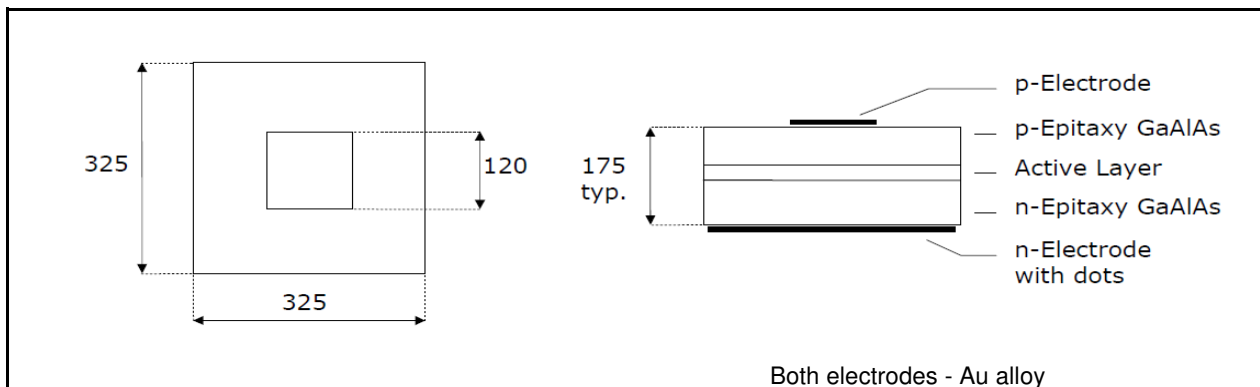
## Data Sheet

### LED Chip Infrared

### EOLC-870-15

Rev. 04, 2017

Radiation	Type	Electrodes
Infrared	AlGaAs/AlGaAs, DHS with mesa	P (anode) up



### Optical and Electrical Characteristics

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

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	$V_F$		1.4	1.5	V
Forward voltage	$I_F = 50 \text{ mA}$	$V_F$		1.45	1.65	V
Reverse voltage	$I_R = 10 \mu\text{A}$	$V_R$	5			V
Radiant power*	$I_F = 20 \text{ mA}$	$\Phi_e$	4.5	6.5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	$\lambda_p$	860	870	880	nm
FWHM	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		42		nm
Switching time	$I_F = 20 \text{ mA}$	$t_r, t_f$		12; 6		ns

\*Measured on bare chip on TO-18 header

### Packing

Chips on adhesive film with wire bond side up

Art. No. 113 077



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.