

EPIGAP Optronics GmbH

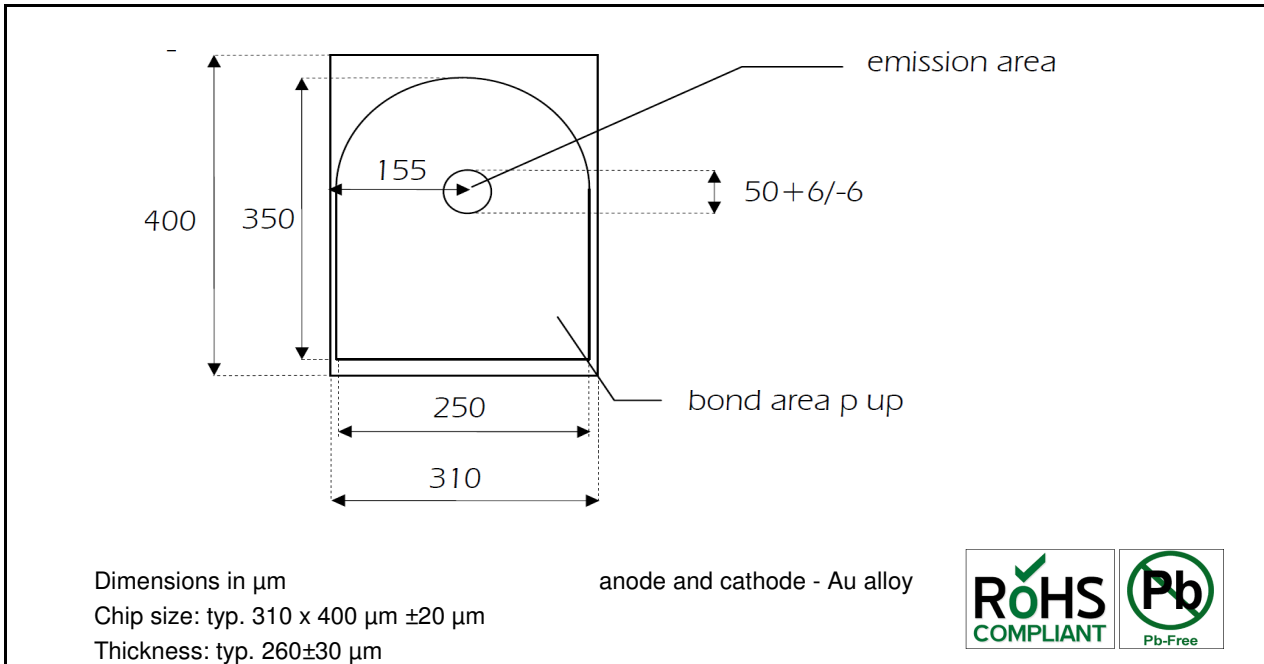
Koepenicker Str. 325b
 D-12555 Berlin
 Fon: +49 (0)30 657637 60
 Fax: +49 (0)30 657637 70
 sales@epigap-optronic.de



LED Chip Red Point Source EOLC-650-19-20 Ø50

Rev. 03, 2017

Radiation	Type	Electrodes
red	AlInGaP/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	20	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	$I_F = 5 \text{ mA}$	V_F		2.0	2.3	V
Reverse current	$V_R = 5 \text{ V}$	I_R			100	μA
Luminous intensity*	$I_F = 5 \text{ mA}$	I_V		3.5		mcd
Luminous intensity*	$I_F = 10 \text{ mA}$	I_V	6.5	7.5		mcd
Radiant power*	$I_F = 20 \text{ mA}$	I_V	0.35	0.5		mW
Peak wavelength	$I_F = 5 \text{ mA}$	λ_P	640	650	660	nm
FWHM	$I_F = 5 \text{ mA}$	$\Delta\lambda_{0.5}$		20		nm

* Measured on epoxy covered chip on TO-18 header

Packing

Dice on adhesive film with wire bond side on top

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.