

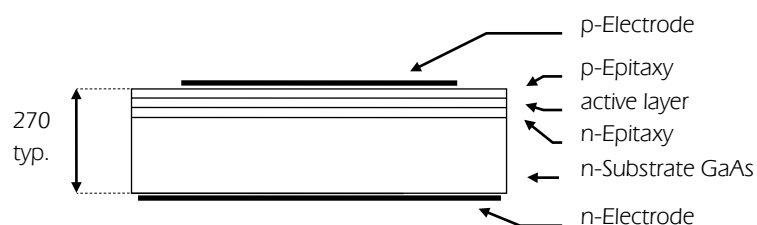
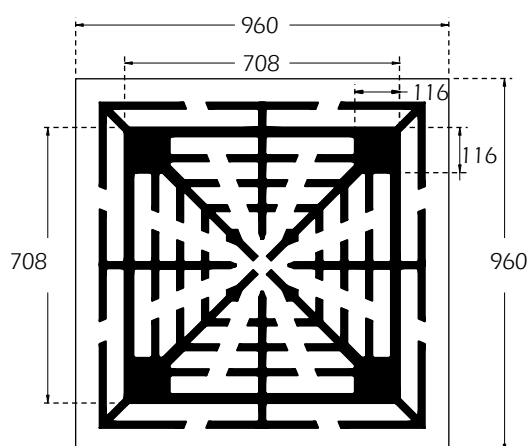
## • Mechanical Specification:

### Dimension

- Chip size: 960 x 960 $\mu$ m
- Thickness: typ. 270 $\mu$ m

### Electrodes / Metallization

- p-side (anode): Au alloy
- n-side (cathode) Au alloy



## • Electrical and Optical Characteristics (T=25°C):

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_{f1}$	$I_f = 100\text{mA}$		1.15	1.25	V
	$V_{f2}$	$I_f = 350\text{mA}$		1.20	1.40	V
Reverse Current	$I_r$	$V_r = 5\text{V}$			10	$\mu\text{A}$
Output Power <sup>(1)</sup>	$\Phi_e$	$I_f = 50\text{mA}$		3.0		mW
Radiant Intensity <sup>(1)</sup>	$\Phi_e$	$I_f = 350\text{mA}$		4.5		mW/sr
Switching Time	$t_r, t_f$	$I_f = 350\text{mA}$		20		ns
FWHM	$\frac{1}{2} \lambda_p$	$I_f = 350\text{mA}$		80		nm
Peak Wavelength	$\lambda_p$	$I_f = 350\text{mA}$	1040	1060	1080	nm

NOTE:

(1) Power is measured by OSA on gold plate

High Power / High Speed MQW IR-Chip

**15022XL-1060**

15022XL-1060


 The logo for OSA Opto Light features the word "osa" in a bold, blue, sans-serif font. A red curved line with a dot at its end arches over the word "opto" in a lighter blue, sans-serif font. The word "light" is in a bold, blue, sans-serif font, positioned to the right of "opto".

- **Packing / Labeling:**

Dice on adhesive film with wire bond side on top


 The label template includes the OSA Opto Light logo, a "RoHS-compliant" box, and company contact information: OSA Opto Light GmbH, K&Spencker Str. 325 / Haus 201, 32555 Berlin - Germany, Phone: +49-(0)30-65762683. It features a "Part No." field with a barcode and the text "1xxxxxx", a "BATCH" field with a barcode and the text "xxxxxx/xx/x", a date field "Date:2011-01-01", a table of electrical parameters, and a "Q'TY:" field with a barcode and the text "xxx pcs". A QR code is also present.
 

@xx mA	min	typ	max
Vf (V)	x.xx	x.xx	x.xx
$\Phi_e$ (mW)	x.xx	x.xx	x.xx
$\lambda_p/d^*$ (nm)	xxx.x	xxx.x	xxx.x

- **General Remarks:**

“RoHS-compliant”, fulfill the requirements of RoHS Directive 2002/95/EC  
 “REACH- compliant”

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. Should the buyer use OSA Opto Light products for any unintended or unauthorized application, the buyer shall indemnify OSA Opto Light against all claims, costs, damages, and expenses, arising out of, directly or indirectly, any claim of personal damage, injury or death associated with such unintended or unauthorized use.

OSA Opto Light products described in this document are not authorized for use as critical components in life support systems without the written consent of the appropriate officer of OSA Opto Light GmbH. Life support systems are either systems intended for surgical implant in the body or systems which sustain life.