

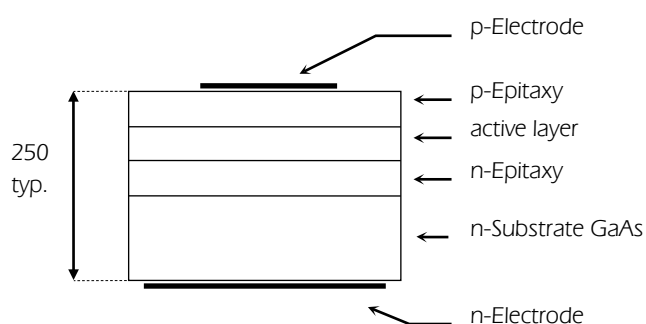
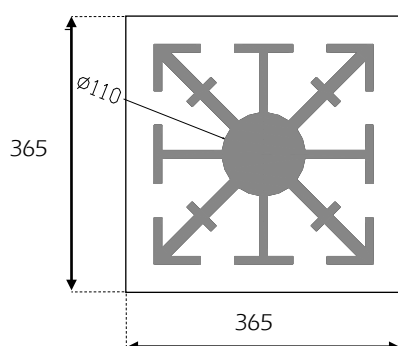
## • Mechanical Specification:

### Dimension

- Chip size: 365 x 365 $\mu\text{m}$
- Thickness: typ. 250 $\mu\text{m}$
- P Bonding Pad: 110 $\mu\text{m}$

### 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	$V_f$	$I_f = 20\text{mA}$		1.25	1.45	V
Reverse Current	$I_r$	$V_r = 5\text{V}$			10	$\mu\text{A}$
Output Power <sup>(1)</sup>	$\Phi_e$	$I_f = 20\text{mA}$		2.0		mW
Switching Time	$t_r, t_f$	$I_f = 20\text{mA}$		15/20		ns
FWHM	$\frac{1}{2} \lambda_p$	$I_f = 20\text{mA}$		35		nm
Peak Wavelength	$\lambda_p$	$I_f = 20\text{mA}$		960		nm

NOTE:

(1) Power is measured by OSA on gold plate

High Power / High Speed MQW IR-Chip

**131254-960**

## • Packing / Labeling:

Dice on adhesive film: 1) wire bond side on top (Standard)  
2) back contact on top





**Part No.**  1xxxxxx

**BATCH**  xxxxx/xx/x

Date: 2011-01-01

@xx mA	min	typ	max
V <sub>f</sub> (V)	x.xx	x.xx	x.xx
φ <sub>c</sub> (mW)	x.xx	x.xx	x.xx
λ p/d* (nm)	xxx.x	xxx.x	xxx.x

**Q'TY:**  xxx pcs



## • General Remarks:

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

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