High Power / High Speed MQW IR-Chip

15022XL-1060

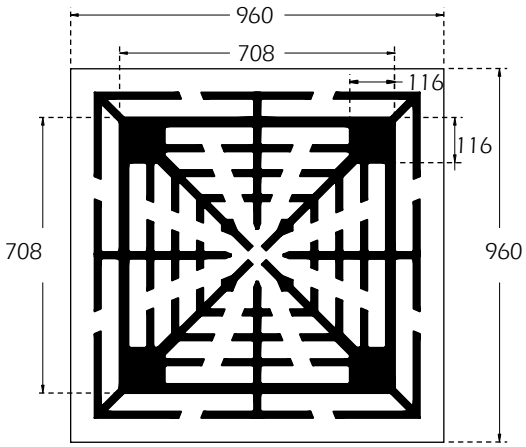
• Mechanical Specification:

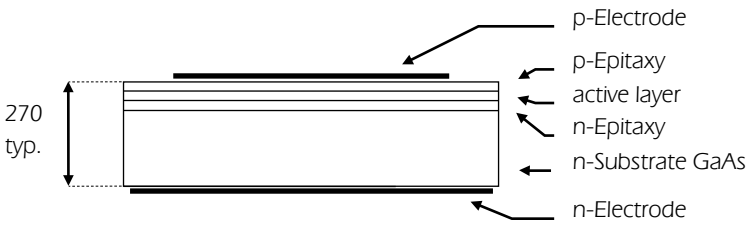
Dimension

- Chip size: 960 x 960µm
- Thickness: typ. 270µm

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	Vf_1	If = 100mA		1.15	1.25	V
	Vf_2	If = 350mA		1.20	1.40	V
Reverse Current	Ir	Vr = 5V			10	µA
Output Power [1]	Φe	If = 50mA		3.0		mW
Radiant Intensity [1]	Φe	If = 350mA		4.5		mW/sr
Switching Time	tr, tf	If = 350mA		20		ns
FWHM	½ λp	If = 350mA		80		nm
Peak Wavelength	λp	If = 350mA	1040	1060	1080	nm

NOTE:

(1) Power is measured by OSA on gold plate

• Packing / Labeling:

Dice on adhesive film with wire bond side on top

• 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.

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