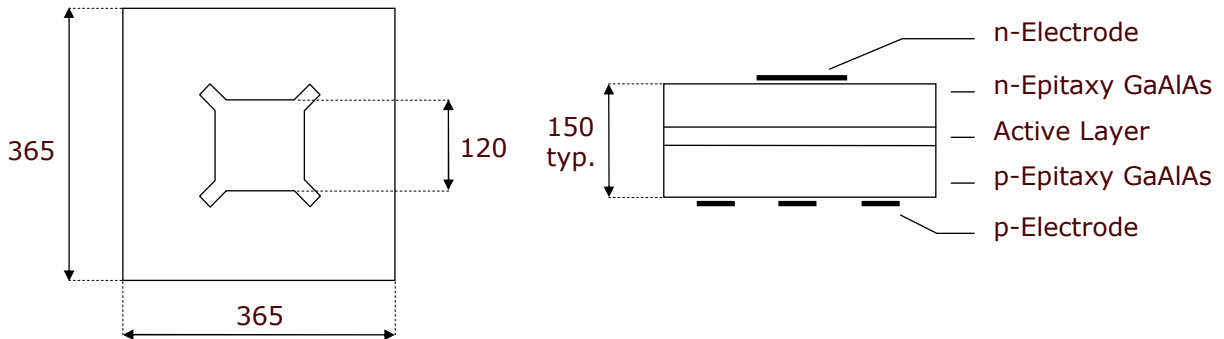


**INFRA-RED**

**Item No.: 134144**

1. This specification applies to GaAlAs / GaAlAs LED Chips (substrate removed)
2. Structure
  - 2.1 Mesa structure
  - 2.2 Electrodes
 

p-side (anode)	Au alloy
n-side (cathode)	Au alloy
3. Outlines (dimensions in microns)



Wire bond contacts can also be square

4. Electrical and optical characteristics (T=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Forward voltage	$V_F$	$I_F = 20 \text{ mA}$		1,55	1,80	V
Reverse voltage	$V_R$	$I_R = 10 \text{ }\mu\text{A}$	5			V
output Power *	$\Phi_e$	$I_F = 20 \text{ mA}$	2,5	3,4		mW
Switching time	$t_{r,} t_f$	$I_F = 20 \text{ mA}$		35		ns
Peak wavelength	$\lambda_p$	$I_F = 20 \text{ mA}$		820		nm

Power measurement at OSA on gold plate

5. Packing
  - 1) wire bond side on top
  - 2) back contact on top

6. Labeling

Type	Lot No.	$\Phi_e$ typ min max	Quantity
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