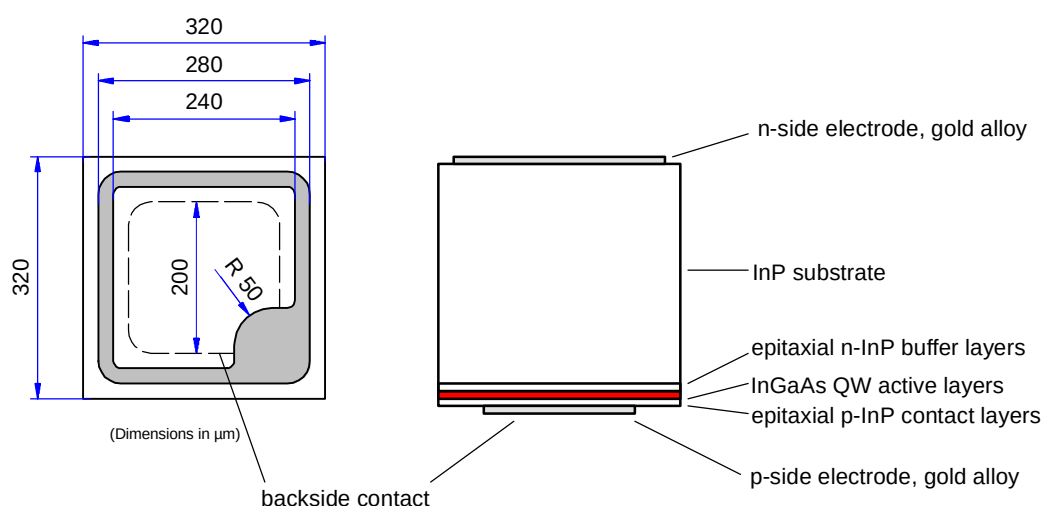


Preliminary data

Radiation	Type	Technology	Electrodes
Infrared	ELC-1300-25	InGaAs/InP QW structure	P (anode) down N (cathode) up

Outline (dimensions in microns)



ELC-27

Optical and Electrical Characteristics

 $T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	V_F		0.95		V
Forward voltage	$I_F = 50 \text{ mA}$	V_F		1.0		V
Forward voltage	$I_F = 100 \text{ mA}$	V_F		1.1		V
Reverse voltage	$I_R = 10 \text{ }\mu\text{A}$	V_R	3			V
Radiant power	$I_F = 20 \text{ mA}$	$\ddot{O}_e$	0.5	0.6		mW
Radiant power	$I_F = 50 \text{ mA}$	$\ddot{O}_e$		1.5		mW
Radiant power	$I_F = 100 \text{ mA}$	$\ddot{O}_e$		2.2		mW
Peak wavelength	$I_F = 50 \text{ mA}$	λ_p		1300		nm
Spectral bandwidth at 50%	$I_F = 50 \text{ mA}$	$\Delta\lambda_{0.5}$		90		nm

Labeling

Type	Lot N°	$\ddot{O}_e$ (typ, min, max)	Quantity
ELC-1300-25			

Packing

Chips on adhesive film with wire-bond side on top