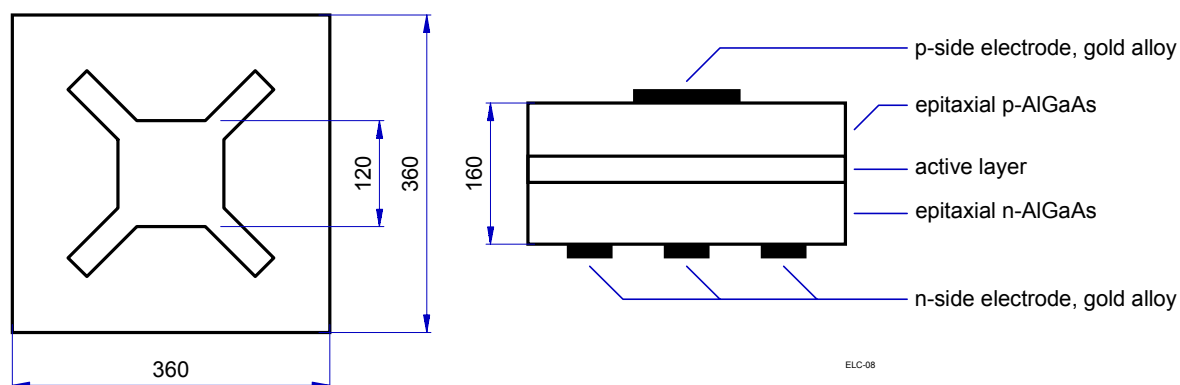


Radiation	Type	Technology	Electrodes
Infrared	ELC-870f-17	AlGaAs/AlGaAs	P (anode) up

Outline (dimensions in microns)**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		1.3	1.5	V
Reverse voltage	$I_R = 100 \mu\text{A}$	V_R	5			V
Radiant power	$I_F = 20 \text{ mA}$	Φ_e	3.0	3.5		mW
Radiant power	$I_F = 50 \text{ mA}$	Φ_e	7.5	8.8		mW
Peak wavelength	$I_F = 20 \text{ mA}$	λ_p		870		nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		65		nm
Switching time	$I_F = 20 \text{ mA}$	t_r, t_f		7	10	ns

Labeling

Type	Lot N°	Φ_e (typ, min, max)	Quantity
ELC-870f-17			

Packing

Chips on adhesive film with wire-bond side on top