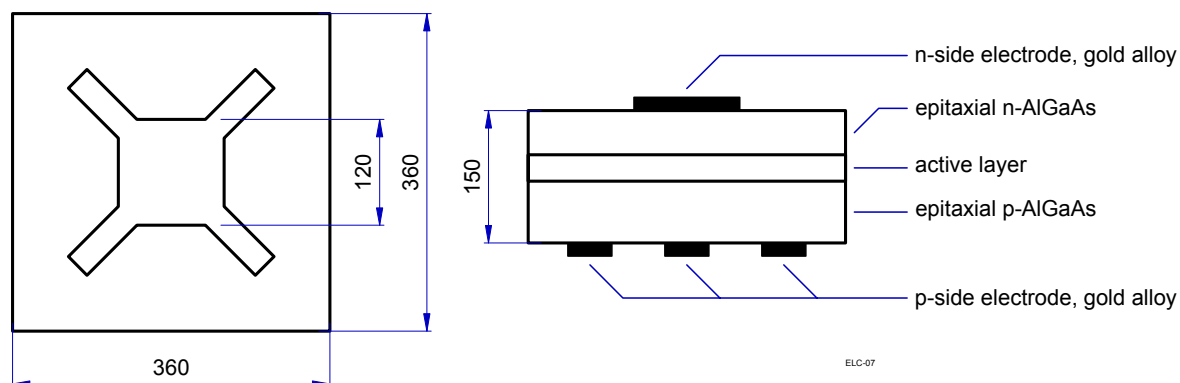


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	N (cathode) up

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		1.4	1.7	V
Reverse voltage	$I_R = 100 \mu\text{A}$	V_R	5			V
Radiant power*	$I_F = 20 \text{ mA}$	Φ_e	3.5	4.5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	λ_p	860	875	890	nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		45		nm
Switching time	$I_F = 20 \text{ mA}$	t_r, t_f		25		ns

*Measured on bare chip on TO-18 header

Labeling

Type	Lot N°	Φ_e (min, typ), V_F (typ, max)	Quantity
ELC-870-27			

Packing

Chips on adhesive film with wire-bond side on top