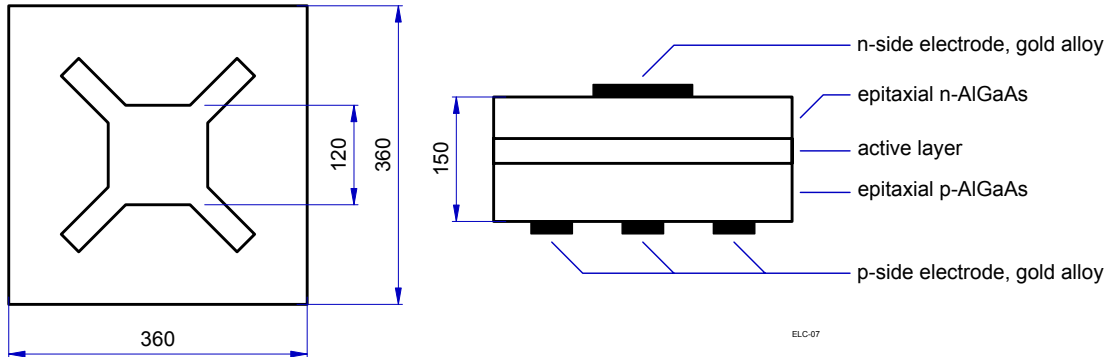


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	N (cathode) up

Outline (dimensions in microns)



Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 20 mA	V _F		1.4	1.7	V
Reverse voltage	I _R = 100 μA	V _R	5			V
Radiant power*	I _F = 20 mA	Φ _e	3.5	4.5		mW
Peak wavelength	I _F = 20 mA	λ _p	860	875	890	nm
Spectral bandwidth at 50%	I _F = 20 mA	Δλ _{0.5}		45		nm
Switching time	I _F = 20 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