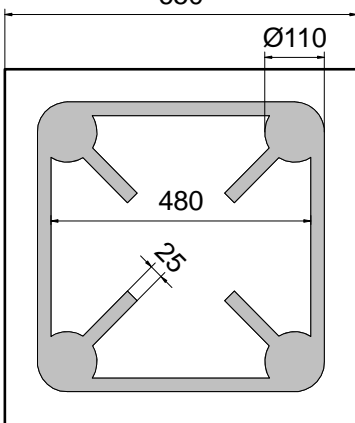


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	P (anode) up

 <p style="text-align: center;">LED-07</p>	typ. dimensions (μm)
	<p>typ. thickness 150 (±25) μm</p> <p><u>cathode</u> gold alloy, 0.5 μm</p> <p><u>anode</u> gold alloy, 1.5 μm</p>

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		1.20		V
Forward voltage ²	I _F = 350 mA	V _F		1.45		V
Reverse voltage	I _R = 10 μA	V _R	5			V
Radiant power ¹	I _F = 20 mA	Φ _e		2.5		mW
Radiant power ²	I _F = 350 mA	Φ _e		20		mW
Radiant intensity ¹	I _F = 20 mA	I _e		0.75		mW/sr
Radiant intensity ²	I _F = 350 mA	I _e		12		mW/sr
Peak wavelength	I _F = 20 mA	λ _P	900	910	920	nm
Spectral bandwidth at 50%	I _F = 20 mA	Δλ _{0.5}		60		nm
Switching time	I _F = 20 mA	t _r , t _f		40		ns

¹Measured on bare chip on TO-18 header

²Measured on bare chip glued on a Ø 8 x 1mm Cu header (10 s after switched on) (for information only)

Labeling

Type	Lot N°	Φ _e (typ) [mW]	V _F (typ) [V]	Quantity
ELC-910-12				

Packing: Chips on adhesive film with wire-bond side on top

*Note: All measurements carried out on JENOPTIK Polymer Systems equipment

We reserve the right to make changes to improve technical design and may do so without further notice.

Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

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