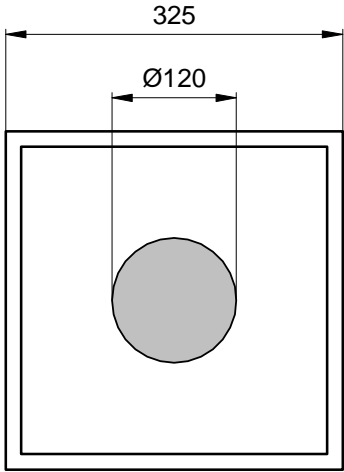


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	P (anode) up

 <p style="text-align: center;">LED-03</p>	typ. dimensions (μm)	
	<u>typ. thickness</u> 180 μm <u>anode</u> gold alloy, 1.5 μm <u>cathode</u> gold alloy, 0.5 μm structured, 25% covered	

Optical and Electrical Characteristics

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	V_F	1.4	1.6	1.80	V
Reverse voltage	$I_R = 100 \mu\text{A}$	V_R	5			V
Radiant power ¹	$I_F = 20 \text{ mA}$	Φ_e	3.0	4.5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	λ_p	750	765	780	nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$	20	35	50	nm
Switching time	$I_F = 20 \text{ mA}$	t_r, t_f		15		ns

¹Measured on bare chip on TO-18 header with JENOPTIK Polymer Systems equipment

Labeling

Type	Lot N°	$\Phi_e(\text{typ})$ [mW]	$V_F(\text{typ})$ [V]	Quantity
ELC-770-15		@ 20mA	@ 20mA	

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

Environmental		Symbol	Min	Typ	Max	Unit
Storage Temperature	on Blue Tape	T_{STG}	15		30	$^{\circ}\text{C}$
Storage Relative Humidity	on Blue Tape	RH_{STG}	40		75	% RH
Storage Time	on Blue Tape	t_{STG}			1	year