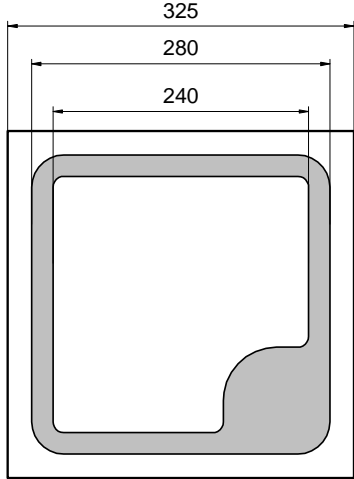


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	P (anode) up

 <p style="text-align: center;">LED-04</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_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 20 mA	V _F	1.4	1.6	1.8	V
Reverse voltage	I _R = 100 µA	V _R	5			V
Radiant power ¹	I _F = 20 mA	Φ _e	3.0	4.5		mW
Peak wavelength	I _F = 20 mA	λ _p	750	765	780	nm
Spectral bandwidth at 50%	I _F = 20 mA	Δλ _{0.5}	20	35	50	nm
Switching time	I _F = 20 mA	t _r , t _f		15		ns

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

Labeling

Type	Lot N°	Φ _e (typ) [mW]	V _F (typ) [V]	Quantity
ELC-770-15-1		@ 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	°C
Storage Relative Humidity	on Blue Tape	RH _{STG}	40		75	% RH
Storage Time	on Blue Tape	t _{STG}			1	year