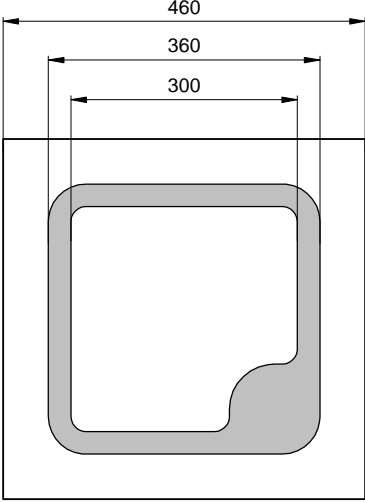


Radiation	Type	Technology	Electrodes
Infrared	DDH	AlGaAs/AlGaAs	P (anode) up

 <p style="text-align: center;">PD-02</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

### Optical and Electrical Characteristics

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	$V_F$	1.3	1.5	1.7	V
Reverse voltage	$I_R = 100 \mu\text{A}$	$V_R$	5			V
Radiant power*	$I_F = 20 \text{ mA}$	$\Phi_e$	3	4.5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	$\lambda_p$	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

\*Measured 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-770-18		@ 20 mA	@ 20 mA	

### 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