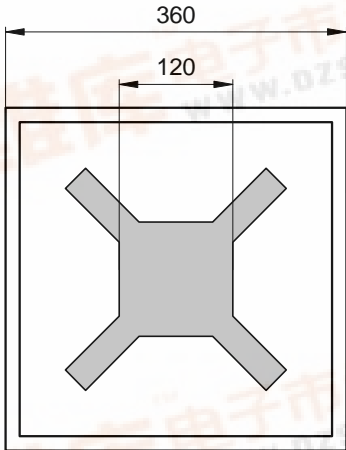


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Radiation	Type	Technology	Electrodes
Red	DDH	AlGaAs/AlGaAs	N (cathode) up

 <p style="text-align: center;">LED-05</p>	typ. dimensions (μm)
	<p>typ. thickness 150 (±25) μm</p> <p>cathode gold alloy, 1.5 μm</p> <p>anode gold alloy, 0.5 μm structured, 25% covered</p>

### Optical and Electrical Characteristics

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	$V_F$		1.8	2.5	V
Reverse voltage	$I_R = 100 \mu\text{A}$	$V_R$	5			V
Radiant power <sup>1</sup>	$I_F = 20 \text{ mA}$	$\Phi_e$	1.5	2.5		mW
Radiant power <sup>2</sup>	$I_F = 20 \text{ mA}$	$\Phi_e$		5		mW
Peak wavelength	$I_F = 20 \text{ mA}$	$\lambda_P$	680	690	700	nm
Spectral bandwidth at 50%	$I_F = 20 \text{ mA}$	$\Delta\lambda_{0.5}$		25		nm
Switching time	$I_F = 20 \text{ mA}$	$t_r, t_f$		25		ns

<sup>1</sup>Measured on bare chip on TO-18 header with *EPIGAP* equipment

<sup>2</sup>Measured on epoxy covered chip on TO-18 header with *EPIGAP* equipment

### Labeling

Type	Lot N°	$\Phi_e(\text{typ})$ [mW]	$V_F(\text{typ})$ [V]	Quantity
ELC-690-27				

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

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 application by the customers themselves.

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