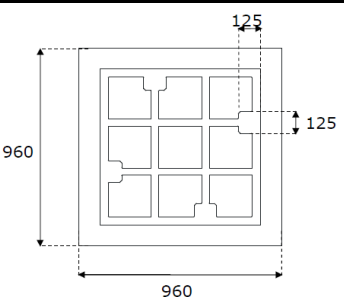


Radiation	Type	Electrodes
Infrared	DDH	P (anode) up

	<p>typ. dimension (<math>\mu\text{m}</math>)</p> <p>typ. thickness <math>150 \pm 25 \mu\text{m}</math></p> <p>anode - gold alloy, <math>1.5 \mu\text{m}</math></p> <p>cathode - gold alloy <math>0.5 \mu\text{m}</math> structured, 25% covered</p>
<b>Dimensions</b>	

## Electrical & Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	$V_f$	$I_f=20\text{mA}$	--	1.35	--	V
Forward Voltage	$V_f$	$I_f=350\text{mA}$	--	1.7	1.9	V
Reverse Voltage	$V_r$	$I_r=100\mu\text{A}$	5	--	--	V
Radiant Power*	$\Phi_e$	$I_f=20\text{mA}$	--	4.5	--	mW
Radiant Power*	$\Phi_e$	$I_f=350\text{mA}$	--	60	--	mW
Switching Time	$t_r, t_f$	$I_f=20\text{mA}$	--	10; 25	--	ns
Peak Wavelength	$\lambda_p$	$I_f=350\text{mA}$	870	880	890	nm
Spectral Bandwidth at 50%	$\Delta\lambda_{0.5}$	$I_f=350\text{mA}$	--	45	--	nm

\*Measured on bare chip on TO-18 header

## Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

ITEMS	SYMBOL	RATINGS	UNIT
Forward DC Current	$I_f$	500	mA



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.