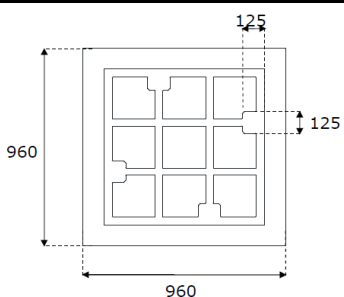


Radiation	Type	Electrodes
Infrared	AlGaAs, DDH	P (anode) up

	<p>typ. dimension (μm)</p> <p>typ. thickness 150 ± 25 μm</p> <p>anode - gold alloy, 1.5 μm</p> <p>cathode - gold alloy 0.5 μm structured, 25% covered</p>
Dimensions	

Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=100mA	--	1.35	--	V
Forward Voltage	Vf	If=350mA	--	1.7	1.9	V
Reverse Voltage	Vr	Ir=100μA	5	--	--	V
Radiant Power*	Φe	If=100mA	--	4.5	--	mW
Radiant Power*	Φe	If=350mA	--	60	--	mW
Switching Time	tr, tf	If=20mA	--	17; 20	--	ns
Peak Wavelength	λp	If=350mA	820	830	840	nm
Spectral Bandwidth at 50%	Δλ0.5	If=350mA	--	35	--	nm

*Measured on bare chip on TO-18 header

Absolute Maximum Ratings (Ta = 25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Forward DC Current	If	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.