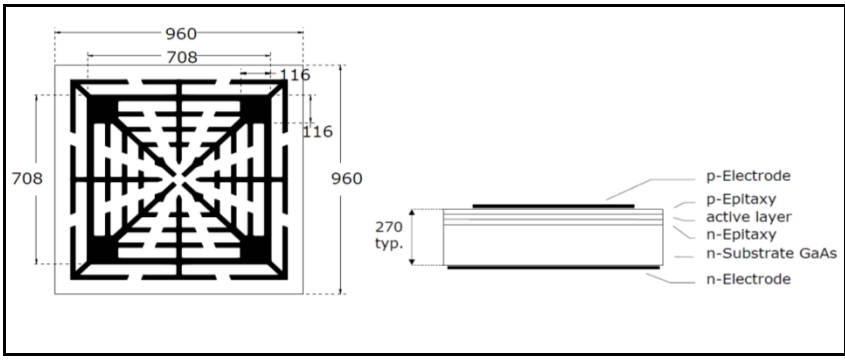
Marktech Optoelectronics

LED Chip Infrared

Product No: **OPC9800-11**

Radiation	Type	Electrodes
Infra Red	MQW	P (anode) up



typ. dimensions

typ thickness: 190 (±40) µm

anode: gold alloy, 1.5 m

cathode: gold alloy, 0.5 m
structured, 25% covered

Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=100mA	--	1.25	--	V
Forward Voltage	Vf	If=350mA	--	1.30	--	V
Reverse Current	Ir	Vr=5V	--	--	10	µA
Radiant Power	Φe	If=50mA	--	4.5	--	mW
Radiant Intensity	Ie	If=350mA	--	5.0	--	mW/sr
Switching Time	tr, tf	If=350mA	--	20/20	--	ns
Peak Wavelength	λp	If=350mA	--	980	--	nm
Spectral Bandwidth at 50%	$\Delta\lambda_{0.5}$	If=350mA	--	40	--	nm

Absolute Maximum Ratings (Ta = 25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Forward DC Current	If	500	mA

RoHS COMPLIANT

Pb Pb-Free

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.

2014-04-04