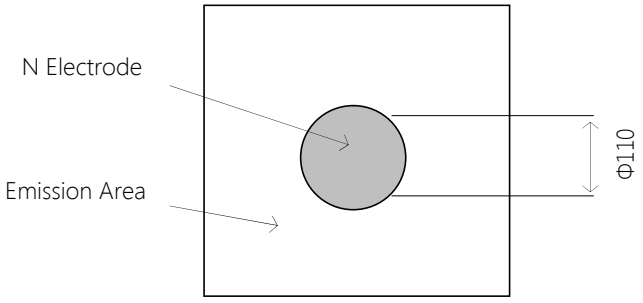
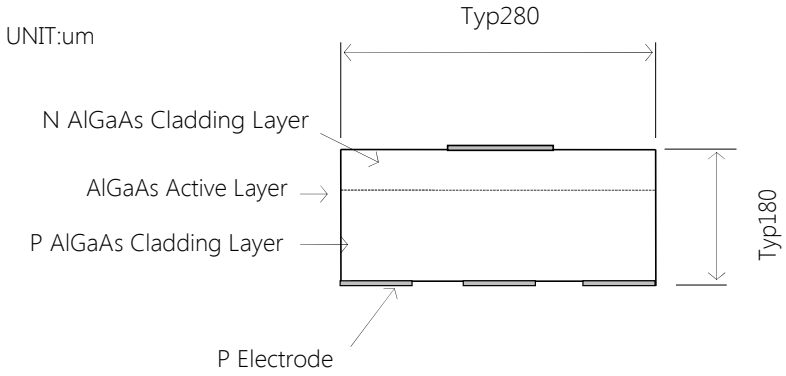
Marktech Optoelectronics

LED Chip Infrared

Product No: **OPC8500-28**

Radiation	Type	Electrodes
Infrared	AlGaAs	N (cathode) up





Physical Characteristics & Structure

Material: AlGaAs

Junction Size: 280um x 280um

Thickness: 180um

Bond Pad Size: 110um diameter

Anode Metalization: Gold Alloy

Cathode Metalization: Gold Alloy

Electrical & Optical Characteristics (Ta = 25ºC)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=20mA	--	--	1.6	V
Reverse Voltage	Vr	Ir=10uA	5	--	--	V
Radiant Power*	Φe	If=20mA	4.0	--	--	mW
Peak Wavelength	λp	If=20mA	--	850	--	nm
Spectral Bandwidth at 50%	Δλ0.5	If=20mA	--	40	--	nm

* LED chip is mounted on TO-18 gold header without resin coated.

Absolute Maximum Ratings (Ta = 25ºC)

Continuous Maximum Forward Current: 80mA (DC)

Reverse Voltage: 5V (IR=10uA)

Storage Temperature

while on mylar membrane: 0 to 40 ºC

after removal from mylar membrane: -30 to 100 ºC

RoHS COMPLIANT

Pb Pb-Free

Global Headquarters, 3 Northway Lane North, Latham, NY 12110, USA **www.marktechopto.com**

TOLL FREE: 1-800-984-5337 • **PHONE:** 518-956-2980 • **FAX:** 518-785-4725 • **EMAIL:** info@marktechopto.com