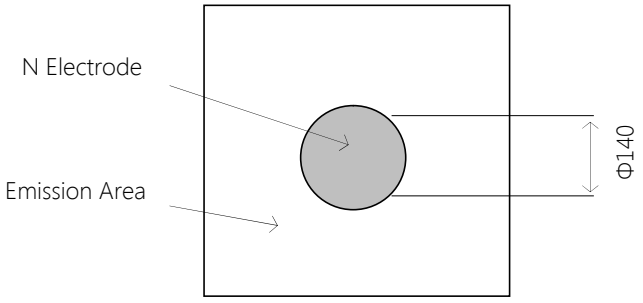
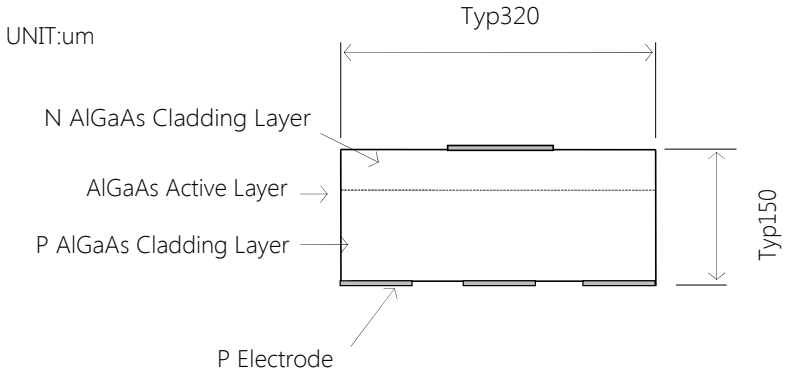
Marktech Optoelectronics

Visible Red LED Chip

Product No: **OPC7000-32**

Radiation	Type	Electrodes
Visible Red Emitter	AlGaAs	N (cathode) up





[illegible]

Material: AlGaAs

Junction Size: 320um x 320um

Thickness: 150um

Bond Pad Size: 140um diameter

Anode Metalization: Gold Alloy

Cathode Metalization: Gold Alloy

[illegible]

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=20mA	--	--	2.2	V
Reverse Voltage	Vr	Ir=10uA	5	--	--	V
Radiant Power*	Φe	If=20mA	1.5	--	--	mW
Peak Wavelength	λp	If=20mA	--	700	--	nm
Spectral Bandwidth at 50%	Δλ0.5	If=20mA	--	30	--	nm

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

Absolute Maximum Ratings [illegible]

Continuous Maximum Forward Current: 50mA (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-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.

2014-04-24