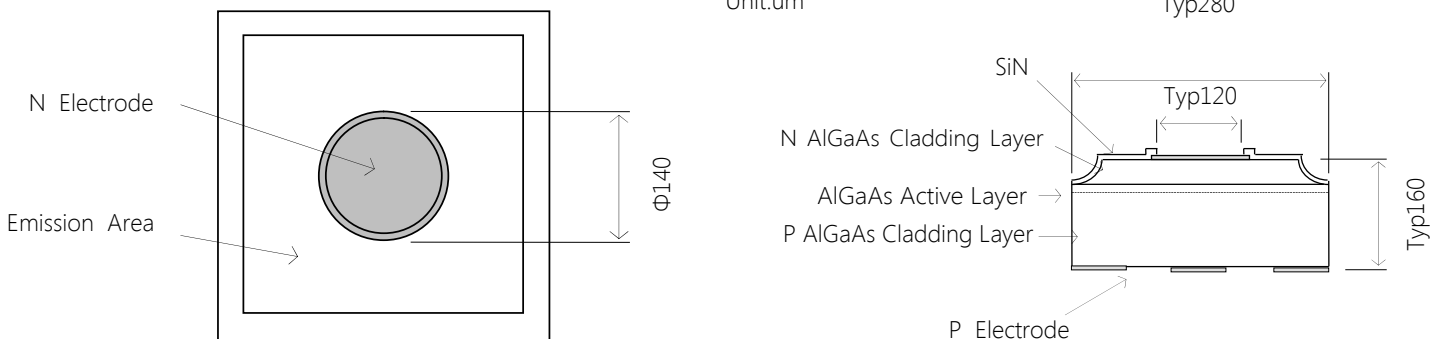


Radiation	Type	Electrodes
Visible Red Emitter	AlGaAs	N(Cathode)up

Unit:um

Typ280



### Physical Characteristics & Structure

Material: AlGaAs	Bond Pad Size: 140um diameter
Junction Size: 280um x 280um	Anode Metalization: Gold Alloy
Thickness: 150um	Cathode Metalization: Gold Alloy

### Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=20mA	--	--	2.0	V
Reverse Voltage	Vr	Ir=10uA	5	--	--	V
Luminous Intensity*	Iv	If=20mA	30	--	--	mcd
Peak Wavelength	$\lambda_p$	If=20mA	640	--	680	nm
Spectral Bandwidth at 50%	$\Delta\lambda$	If=20mA	--	30	--	nm

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

### Absolute Maximum Ratings (Ta = 25°C)

Continuous Maximum Forward Current: 50mA (DC)
Reverse Voltage: 5V (IR=10uA)
Storage Temperature
while on mylar membrane: 0 to 40 °C
after removal from mylar membrane: -30 to 100 °C



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