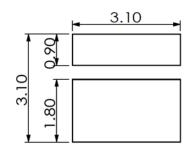


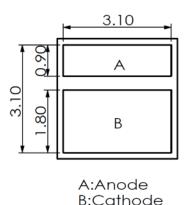
# DMS VCSEL Illuminator AT01 Series



### Product Dimensions (mm)

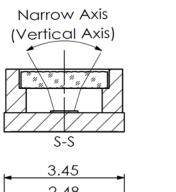
Recommended Soldering Pad :

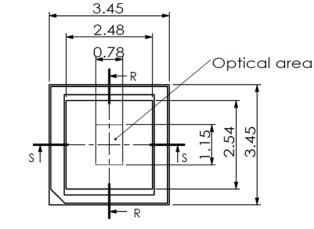




Wide Axis (Horizontal Axis)

1.80





Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

R-R

## **Product Specifications (Prototype)**

# Product Code(Typical Customization)Part No. 1FL-AT01-3-940-HxV

Test Condition	300µs, 300Hz, 9% DC, 25°C

Optical Data	Unit	Value
Centroid Wavelength $\lambda$	nm	940±5
Output Power <sup>2</sup>	W	> 3
FOV @ FWHM (Typical, Horizontal x Vertical)	o	120x20
Spectral Width FWHM	nm	< 3
Wavelength Temp. Coefficient	nm / °C	0.08
Electrical Data		
Threshold Current I <sub>th</sub>	А	< 0.5
Operating Current I <sub>op</sub>	А	3.5
Forward Voltage $V_{op}$	V	<2.5
Slope efficiency	W/A	>0.8
Power conversion efficiency	%	>32
Other Data		
Storage Temperature	°C	-40~105

<sup>1</sup>Part No. = Brand Code - Series - Power - Centroid Wavelength - FOV (Horizontal x Vertical).

<sup>2</sup> A non-condensing environment is required for storage and operation below ambient dew point.





### Product Test Results (Prototype)

