

VCSEL Flash LiDAR Module AX02 Pro Series



Features

- Peak power >700W
- Short pulse < 5ns
- FOV 125° x 25°
- Auto grade diffuser
- Driver included

Applications

- Autonomous LiDAR
- IR illumination
- Industrial 3D sensing
- Laser ranging

Product Dimensions (mm)





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

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Product Specifications (Prototype)

Product Code

Part No. ¹	FL-AX02Pro-700-940-125x25
Test Condition	90V, 100ns, 100kHz, 25°C

Optical Data	Unit	Value
Centroid Wavelength λ	nm	940±5
Output Peak Power ²	W	> 700
Pulse width(V ^{op1} =80V)	ns	< 5
FOV @ FWHM (Typical, Horizontal x Vertical)	٥	125x25
Spectral Width FWHM	nm	< 2
Wavelength Temp. Coefficient	nm / °C	0.07
Beam uniformity	%	85
Electrical Data		
Operating Voltage (HVDD) V _{op1}	V	20~90
Operating Voltage (Low Voltage) V_{op2}	V	7~12
Trigger Signal Rep Rate	kHz	10~100
Trigger Signal Pulse Width	ns	< 100
Other Data		
Operation Temperature	°C	-10~50
Storage Temperature	°C	-40~105

¹Part No. = Brand Code - Series - Power - Centroid Wavelength - FOV.

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





Product Test Results (Prototype)







Rev 01 | Updated September 8, 2021