
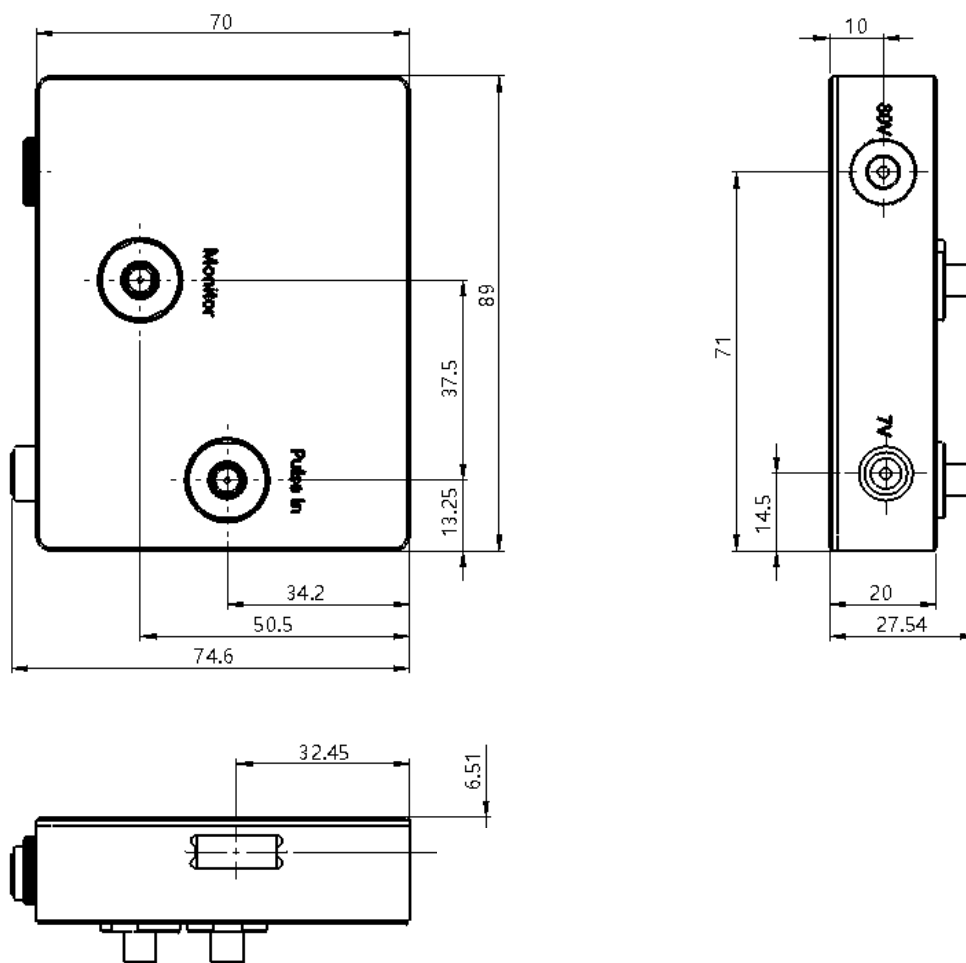


905nm EEL LiDAR Line Transmitter Module

LE01 Series

	Features	Applications
	<ul style="list-style-type: none"> • Peak Power > 300W • 905nm Wavelength • Small divergence (< 0.2° FA) • Short pulse driver • Automotive Design 	<ul style="list-style-type: none"> • Scanning LiDAR • 3D Sensing • Surveillance/Night vision

Product Dimensions (mm)



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

Product Specifications (Prototype)

Product Code	(Typical Customization)
Part No. ¹	FL-LE01-300-905-0.2x20
Test Condition	≤100ns, ≤200kHz, ≤0.1% DC, 25°C

Optical Data	Unit	
Centroid Wavelength λ	nm	905±10
Spectral Width FWHM	nm	< 7
Wavelength Temp. Coefficient	nm / °C	0.27
Output Peak Power ²	W	> 300
LD Pulse Width @ FWHM	ns	5
LD Pulse rise time	ns	2
Pulse Repetition Frequency	kHz	10 - 200
FOV in the fast axis @ FW 1/e ² (Vertical)	°	< 0.2
FOV in the slow axis @ FWHM (Typical, Horizontal)	°	20

Electrical Data		
Input Logic Voltage (DC)	V	7 - 12
Input Operating Bus Voltage (DC)	V	80
Input Trigger Voltage Amplitude	V	5
Input Trigger Pulse Width	ns	10 - 100

Other Data		
Operation Temperature	°C	-40 - 65
Storage Temperature	°C	-40 - 105
Product Dimensions	mm	89x75x28

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

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



Product Test Results (Prototype)

