

905nm EEL LiDAR Line Laser Transmitter Module

BeamRazor ™ Series - LE02 Module



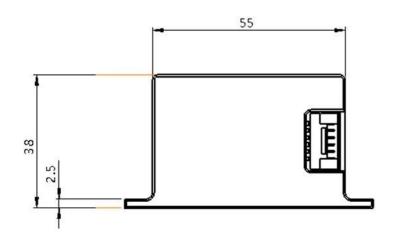
Features

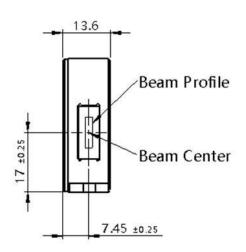
- Peak Power > 600W
- Wavelength 905nm
- Small divergence (< 0.15° FA)
- Short pulse (<5ns)

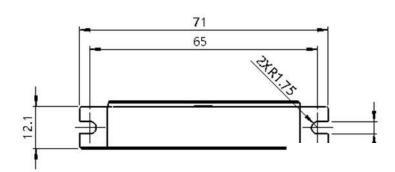
Applications

- Automotive LiDAR
- 3D Sensing
- · Industrial Sensing
- Machine 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
 LET300011
 LET300010

 Part No.¹
 FL-LE02-600-905-0.15x11
 FL-LE02-600-905-0.15x25

 Test Condition
 Input Pulse≤50ns, Input Trigger≤50kHz, Duty Cycle≤0.1%, 25°C

Optical Parameters	Unit	Value	
Centroid Wavelength λ	nm	905±10	905±10
Spectral Width FWHM	nm	<7	< 7
Wavelength Temp. Coefficient	nm / °C	0.27	0.27
Module Output Peak Power ²	W	>600	>600
Laser Pulse Width @ FWHM	ns	5	5
Laser Pulse Rise Time	ns	2	2
Operating Duty Cycle	%	<0.1	<0.1
FOV — Fast Axis @ FW 1/e² (Horizontal)	0	< 0.15	< 0.15
FOV — Slow Axis @ FWHM (Vertical)	0	11	25
Electrical Parameters			
Logic Voltage DC	V	7 - 12	7 - 12
Operating High Voltage DC	V	20 - 100	20 - 100
Pulse Repetition Frequency (PRF)	kHz	10 - 100	10 - 100
Input Trigger Voltage Amplitude	V	5	5
Input Trigger Pulse Width	ns	10 - 50	10 – 50
Input Trigger Pulse Rise Time	ns	<10	<10
Input Trigger Pulse Impedance	load Ω	50	50
Others			
Operation Temperature	°C	-10 - 65	-10 - 65
Storage Temperature	°C	-40 - 105	-40 - 105
Product Dimensions	mm	55x38x14	55x38x14

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



 $^{^{\}rm 2}$ A non-condensing environment is required for storage and operation below ambient dew point.



Product Test Results (Prototype for LET300011)

