

589nm Yellow High Power Laser



Specifications

Model Number	HP-Y589-1000
Optical Specifications	
Wavelength	589 nm
Center Wavelength Deviation	+/- 1 nm
Output Power	1 W
M ²	< 6
Longitudinal Mode	Multi
Transverse Mode	Near TEM00
Power Stability (over 4 hours) (rms)	< 5% ⁽¹⁾
Operating Mode	CW ⁽²⁾
Polarization Ratio	> 50:1
Beam Diameter at the Aperture (1/e ²)	~ 5 mm
Beam Divergence (Full Angle)	< 2 mrad
Warm-up time	< 12 minutes
Beam Height from Base Plate	69.5 mm
Working Temperature	10 to 35 ° C
Cooling Mode	TEC / FANS
Estimated Lifetime (MTTF)	10,000 hours
Warranty Time	1 year
Mechanical Specifications	
Dimension of Laser Head	241 (L) x 118.5 (W) x 92.5 (H) mm
Dimensional Tolerances	+/- 1 mm

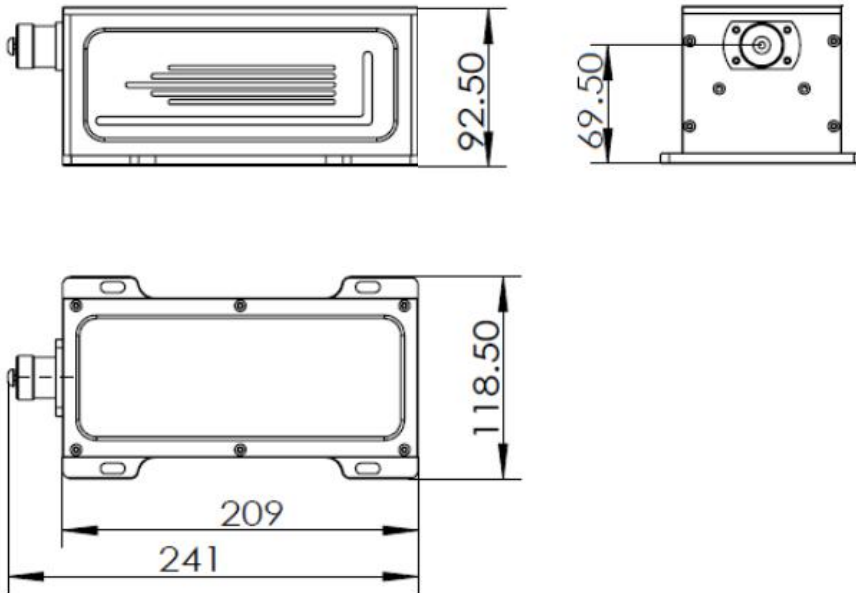
(1) optional: < 3%

(2) optional: TTL or Analog (1Hz-1kHz)

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Drawing



Dimensions in mm