

FL-H-515-PS/1-5W

FEMTOSECOND PULSED LASER AT 515nm

All Fiber Picosecond pulsed laser at 515nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.

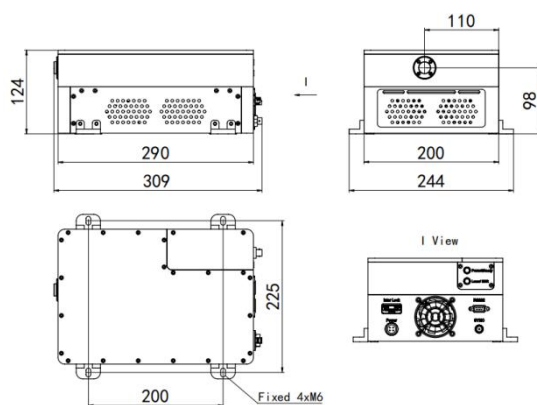


SPECIFICATIONS

Wavelength (nm)	515±1
Operating mode	Passively
Average power (W)	1-5
Single pulse energy (nJ)	62.5 (62.5nJ @80MHz); 125 (125nJ @40MHz)
Rep. rate (MHz)	20-120
Pulse duration (ps)	<8ps; or one fixed value between 10 ps-150 ps
Peak power (kW)	6.25kW @80MHz/10ps; 12.5kW@40MHz/10ps
Ave power stability (rms, 4 hours±3°C)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM ₀₀
M ²	<1.2
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture (1/e ² ,mm)	~2
Polarization ratio	>100:1 Horizontal
Beam height from base plate (mm)	98
Cooled method	Air cooled
Operating temperature (°C)	15-35
Power supply (100-240VAC)	12V/6.67A
Expected lifetime (hours)	>10000

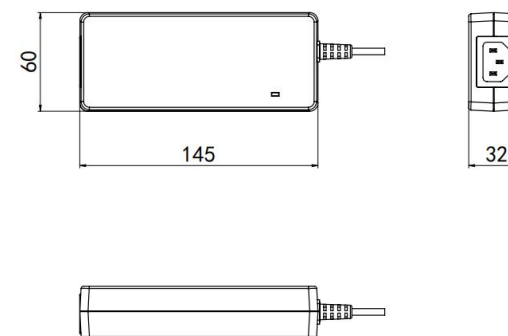


LASER HEAD (DRIVER Integrated)



309 (L)×244 (W) ×124(H) mm³,7.5kg

POWER SUPPLY(100-240VAC)optional



145 (L) ×60 (W) ×32 (H) mm³,1.2 kg

1 One fixed value between 1-5W.

2 One fixed value between 20-120MHz.