

PS-H-1030-Fiber-20W/ 1~20W

PICOSECOND PULSED LASER AT 1030nm

All Fiber Picosecond pulsed laser at 1030nm 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)	1030±1
Average power (W)	20 (20W@80MHz)
Single pulse energy (nJ)	250 (250nJ @80MHz); 500 (500nJ @40MHz)
Rep. rate (MHz)	One fixed value between 20MHz-120MHz
Pulse duration (ps)	<10ps; or one fixed value between 10 ps-150 ps
Peak power (kW)	25kW @80MHz/10ps; 50kW@40MHz/10ps
Ave power stability (over 4 hours)	<1%
Warm-up time (minutes)	<10
Transverse mode	TEM ₀₀
Beam quality(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
Beam height from base plate (mm)	On request
Cooled method	Air cooled or Water cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	On request
Expected lifetime (hours)	10000
Warranty period	1 year