

TUN-Ti-770-840/1~1000mW

SPECIFICATIONS

WATER COOLING LD PUMPED ALL-SOLID-STATE Q-SWITCHED RED LASER at 770-840nm

All solid state Q-switched red laser at 770~840nm tunable wavelength, has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, scientific research, and so on.



Wavelength (nm)	770-840
Operating mode	Pulsed (Q-switched)
Average power (mW)	>1,2, 3, ... , 1000
Ave power stability (over 4 hours)	<3% , <5%
Pulse duration (ns)	~30 @10KHz
Rep. rate (kHz)	10~20 (It is possible to customize other repetition rates)
Single pulse energy (uJ)	>100@10kHz
Peak power (kW)	>3.3@ 10kHz
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e ² , mm)	≥9
Beam height from base plate (mm)	55
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-HPL (2U×2)
Expected lifetime (hours)	10000
Warranty period	1 year



TUN-Ti-770-840	PSU-HPL-Q (2U)	PSU-HPL-CW (2U)	Water Chiller
<p>690 (L) × 315 × 131(H) mm³, 12.5kg</p>	<p>485 (L) × 380(W) × 90(H) mm³, 7.5kg</p>	<p>482 (L) × 288(W) × 90(H) mm³, 5.5kg</p>	<p>425 (L) × 525(W) × 765(H) mm³, 69kg</p>