

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

DANGE

CLASS IIIb LASER PRODUCT

device complies with 21 CFR1040.10 and 1040.1

8 JinHu Road High-tech Zone Changchun,

s Tech. Co., Ltd. (C)

OEM-U-473 /1-300mW



DPSS LASER AT 473nm

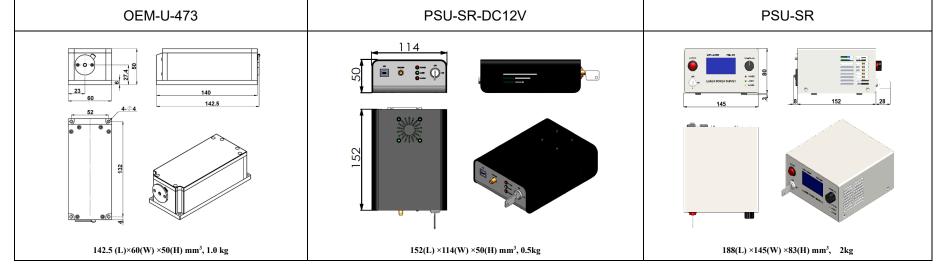
SPECIFICATIONS

All solid state laser at 473nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



	472 - 1	
Central wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, , 200	>200, , 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM ₀₀	
M ² factor	<1.2	
Beam diameter at the aperture (1/e ² , mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Vertical±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical), <25 (40°C)	
Max. Laser Head Base plate Temp (°C)	50	
Operating Temperature (°C)	10-40	
Driver (12VDC)	PSU-SR-DC12V PSU-SR	
Modulation option	TTL on/off, 1Hz-1KHz, 1 modulation optional	KHz-10KHz, 10KHz-30KHz; and Analog
Expected lifetime (hours)	10000	
Warranty	l year	





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