

长春新产业光电技术有限公司

Changehun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

OEM-W-532-Water/5~10W



LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state 532nm green laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.









SPECIFICATIONS

Wavelength (nm)532±1Operating modeCWOutput power (W)>5, 5.5, 6,, 10Power stability (rms, over 4 hours)<1%, <2%, <3%Transverse modeTEM00M² factor<1.5Beam divergence, full angle (mrad)<1.5Beam diameter at the aperture (1/e²,mm)<2.0Warm-up time (minutes)<10Beam height from base plate (mm)56 (with water cooling plate)Polarization ratio>50:1Cooled methodWater CooledOperating temperature (°C)10~35Power supply (90-264VAC)PSU-W-LEDTTL / Analog modulationTTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optionalExpected lifetime (hours)10000Warranty period1 year		
Output power (W)	Wavelength (nm)	532±1
Power stability (rms, over 4 hours) TEM ₀₀	Operating mode	CW
Transverse mode M² factor Seam divergence, full angle (mrad) Eam diameter at the aperture (1/e²,mm) Warm-up time (minutes) Seam height from base plate (mm) Polarization ratio Cooled method Operating temperature (°C) Power supply (90-264VAC) TTL / Analog modulation Expected lifetime (hours) TEM ₀₀ <1.5 Seam diameter at the aperture (1/e²,mm) ~2.0 Warm-up time (minutes) <10 Seam height from base plate (mm) To (with water cooling plate) Polarization ratio Polarization ratio To (with water cooling plate) To (with water cooling plate)	Output power (W)	>5, 5.5, 6,, 10
M² factor < 1.5 Beam divergence, full angle (mrad) < 1.5 Beam diameter at the aperture (1/e²,mm)	Power stability (rms, over 4 hours)	<1%, <2%, <3%
Beam divergence, full angle (mrad) Beam diameter at the aperture (1/e²,mm) Varm-up time (minutes) Beam height from base plate (mm) Polarization ratio Cooled method Operating temperature (°C) Power supply (90-264VAC) TTL / Analog modulation Expected lifetime (hours) Value 1.5 Coled Coled Water Cooled TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional TOOOOO TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	Transverse mode	TEM ₀₀
Beam diameter at the aperture (1/e²,mm) ~2.0 Warm-up time (minutes) <10 Beam height from base plate (mm) 56 (with water cooling plate) Polarization ratio >50:1 Cooled method Water Cooled Operating temperature (°C) 10~35 Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	M ² factor	<1.5
Warm-up time (minutes) Beam height from base plate (mm) Polarization ratio Cooled method Operating temperature (°C) Power supply (90-264VAC) TTL / Analog modulation Expected lifetime (hours) TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional 10000	Beam divergence, full angle (mrad)	<1.5
Beam height from base plate (mm) 56 (with water cooling plate) Polarization ratio >50:1 Cooled method Water Cooled Operating temperature (°C) 10~35 Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Beam diameter at the aperture (1/e²,mm)	~2.0
Polarization ratio >50:1 Cooled method Water Cooled Operating temperature (°C) 10~35 Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Warm-up time (minutes)	<10
Cooled method Water Cooled Operating temperature (°C) 10~35 Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Beam height from base plate (mm)	56 (with water cooling plate)
Operating temperature (°C) 10~35 Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Polarization ratio	>50:1
Power supply (90-264VAC) PSU-W-LED TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Cooled method	Water Cooled
TTL / Analog modulation TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional Expected lifetime (hours) 10000	Operating temperature (°C)	10~35
Expected lifetime (hours) 10000	Power supply (90-264VAC)	PSU-W-LED
	TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Warranty period 1 year	Expected lifetime (hours)	10000
	Warranty period	1 year





OEM-W-532 PSU-W-LED WCH-370 (Optional) 168 299 299 25 340 (L) ×80 (W) ×58 (H) mm³ 335 (L) ×168 (W) ×133 (H) mm³, 4.2 kg

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