## LD PUMPED ALL-SOLID-STATE LASER

All solid-state CW mode laser is made features of ultra compact, easy operating, high power and staiblity, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument,













## SPECIFICATIONS

physics experiment, etc.

Wavelength (nm)         536±1         552±1           Operating mode         UUR Dever (nmW)         500-4000         300-2000           Power stability (rms, over 4 hours)         500-4000         500-4000           Power stability (rms, over 4 hours)         5% - 3%         5% - 3%           M² factor         <1.5         <2.0           Beam diameter at the aperture (1/e², mm)         <1.2         <1.5           Beam divergence, full angle (mrad)         <1.5         <2.0           Polarization Ratio         >100:1 Horizontal (Vertical Optional)           Warm-up time (minutes)         1         <0.0           Pointing stability after warm-up (mrad)         <0.0         <0.0           Cooled method (Water cooled)         WCH-SW         <0.0           Beam height from base plate (mm)         5.0         <0.0           Operating Temperature (°C)         10-3         <0.0           Modulation optional         TTL on/off; Hz-1KHz, 1KHz-10KHz, 10KHz, 10KHz, and Analog modulation optional			
Operating mode         CV           Output power (mW)         500-4000         300-2000           Power stability (ms, over 4 hours)         <\$\$\\$.43\\$	Part number	MGL-A-536	MGL-A-552
Output power (mW)         500-4000         300-2000           Power stability (rms, over 4 hours)         550-4000         300-2000           Transverse mode         TEMPORE THE THE THE THE THE THE THE THE THE TH	Wavelength (nm)	536±1	552±1
Power stability (rms, over 4 hours)         <5%, <3%         <5%, <3%           Transverse mode         TEMo           M² factor         <1.5	Operating mode	CW	
Transverse mode         TEMo           M² factor         <1.5	Output power (mW)	500-4000	300-2000
M² factor	Power stability (rms, over 4 hours)	<5%, <3%	<5%, <3%
Beam diameter at the aperture (1/e², mm)  4.1.2 8.2.0 Polarization Ratio Polarization Ratio 8.3 100:1 Horizontal (Vertical Optional) 9.4 10.5 9.6 10.5 Pointing stability after warm-up (mrad) 9.6 10.6 10.5 Cooled method (Water cooled) 8.6 man height from base plate (mm) 9.6 perating Temperature (°C) Modulation optional TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional Power supply (90-264VAC) PSU-W-LED/PSU-W-FDA	Transverse mode	$TEM_{00}$	
Beam divergence, full angle (mrad)  Polarization Ratio  >100:1 Horizontal (Vertical Optional)  Warm-up time (minutes)  Pointing stability after warm-up (mrad)  Cooled method (Water cooled)  Beam height from base plate (mm)  Operating Temperature (°C)  Modulation optional  TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC)  PSU-W-LED/PSU-W-FDA	M <sup>2</sup> factor	<1.5	<2.0
Polarization Ratio >100:1 Horizontal (Vertical Optional)  Warm-up time (minutes) < 10  Pointing stability after warm-up (mrad) < <0.05  Cooled method (Water cooled) WCH-580  Beam height from base plate (mm)	Beam diameter at the aperture (1/e², mm)	<1.2	<1.5
Warm-up time (minutes)  Pointing stability after warm-up (mrad)  Cooled method (Water cooled)  Beam height from base plate (mm)  Operating Temperature (°C)  Modulation optional  TIL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC)  Solution (minutes)  A (10)  WCH-580  WCH-580  10-35  TIL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  PSU-W-LED/PSU-W-FDA	Beam divergence, full angle (mrad)	<1.5	<2.0
Pointing stability after warm-up (mrad)  Cooled method (Water cooled)  Beam height from base plate (mm)  Operating Temperature (°C)  Modulation optional  TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC)  PSU-W-LED/PSU-W-FDA	Polarization Ratio	>100:1 Horizontal (Vertical Optional)	
Cooled method (Water cooled)  Beam height from base plate (mm)  Operating Temperature (°C)  Modulation optional  Power supply (90-264VAC)  WCH-580  **TL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  PSU-W-LED/PSU-W-FDA	Warm-up time (minutes)	<10	
Beam height from base plate (mm)  Operating Temperature (°C)  Modulation optional  TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC)  PSU-W-LED/PSU-W-FDA	Pointing stability after warm-up (mrad)	<0.05	
Operating Temperature (°C)  10-35  Modulation optional  TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC)  PSU-W-LED/PSU-W-FDA	Cooled method (Water cooled)	WCH-580	
Modulation optional TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional  Power supply (90-264VAC) PSU-W-LED/PSU-W-FDA	Beam height from base plate (mm)	52.4	
Power supply (90-264VAC) PSU-W-LED/PSU-W-FDA	Operating Temperature (°C)	10-35	
	Modulation optional	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional	
Warranty 1 year	Power supply (90-264VAC)	PSU-W-LED/PSU-W-FDA	
	Warranty	l year	

