



Applied Manufacturing Technologies, Inc.

Tel: (714) 630-9530

Website: www.amtecinc.com

E-Mail: sales@amtecinc.com

Green Fiber Laser - Specifications

MODEL	GL 532-20	GL 532-40
Output Characteristics		
Wavelength	532 nm	532 nm
Power	>20 W @ 50 kHz	>40 W @ 100 kHz
Repetition Rate	0 to 500 kHz	
Pulse Width	< 25 nsec @ 100 kHz	
Pulse-to-Pulse	<2% rms @ 100 kHz, typical	
	<3% rms up to 300 kHz	
	<5% rms above 300 kHz	
Beam Characteristics		
Spatial Mode	TEM ₀₀	
M ²	<1.2	
Polarization Ratio	100:1 vertical	
Beam Diameter, at waist	1.0 mm ±10%	
Beam Divergence (full angle)	<0.9 mrad	
Beam Asymmetry (circularity)	<1.1 (>90%)	
Beam Pointing Stability	< ±10 μrad/°C	< ±25 μrad/°C
Operating Conditions		
Power Input	110/220 ±10% VAC, 50-60 Hz	
Temperature Range	18 to 35°C operating; -20 to 50°C non-operating	
Humidity	8–95%, non-condensing	
Cooling Water Temperature	20°C ±1°C, stable to ±0.2°C	
Cooling Water Flow	1.5 liter/minute minimum, 20 psi typical	
Total Power Consumption	<300 Watts	<400 Watts
Physical Characteristics		
Dimensions (Laser) (L x W x H)	25 x 6 x 4.5 in (635 x 153 x 115 mm)	
Weight (Laser)	28 lbs (12.7 kg)	

Note: All specifications are subject to change without notice