

## 8 - 10W Lasers & Performance

Performance	48-1	48-1W
Output Power	8W @ 9.3 $\mu$ m 10W @ 10.6 $\mu$ m	8W @ 9.3 $\mu$ m 10W @ 10.6 $\mu$ m
Mode Quality	$M^2 \leq 1.2$	$M^2 \leq 1.2$
Rise Time	< 150 $\mu$ sec	< 150 $\mu$ sec
Beam Diameter	3.5 mm	3.5 mm
Wavelength	9.3 $\mu$ m/10.6 $\mu$ m	9.3 $\mu$ m/10.6 $\mu$ m
Power Stability from cold start (guaranteed)	$\pm 10\%$	$\pm 10\%$
Cooling	Air	Water
Dimensions Inches (mm)	16.9 x 2.8 x 4.2 (429 x 71 x 107)	16.9 x 2.8 x 4.2 (429 x 71 x 107)
Weight	9 lbs./4.1 kg	9 lbs./4.1 kg
Data Sheet	Data Sheets, Technical Drawings, and Manuals can only be downloaded when accessing the full site from a desktop or laptop computer.	
Technical Drawing		
Manual		

## 18 - 50W Lasers & Performance

Performance	48-2	48-2W	48-5W
Output Power	18W @ 9.3 $\mu$ m 25W @ 10.6 $\mu$ m	18W @ 9.3 $\mu$ m 25W @ 10.6 $\mu$ m	50W
Mode Quality	$M^2 \leq 1.2$	$M^2 \leq 1.2$	$M^2 \leq 1.2$
Rise Time	< 150 $\mu$ sec	< 150 $\mu$ sec	< 150 $\mu$ sec
Beam Diameter	3.5 mm	3.5 mm	3.5 mm
Wavelength	9.3 $\mu$ m/10.6 $\mu$ m	9.3 $\mu$ m/10.6 $\mu$ m	10.6 $\mu$ m
Power Stability from cold start (guaranteed)	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$
Cooling	Air	Water	Water
Dimensions Inches (mm)	31.9 x 2.8 x 4.2 (810 x 71 x 107)	31.9 x 2.8 x 4.2 (810 x 71 x 107)	34.9 x 5.3 x 4.5 (886 x 135 x 114)
Weight	18 lbs./8.2 kg	18 lbs./8.2 kg	44 lbs./20 kg
Data Sheet	Data Sheets, Technical Drawings, and Manuals can only be downloaded when accessing the full site from a desktop or laptop computer.		
Technical Drawing			
Manual			

## Related Products

Product	Description	Go To
Power Supply	Recommended DC power supply for Synrad lasers	See AC/DC Power Supplies under Accessories for the recommended power supply