

# Mesa Specifications

Description	1064-100-M	1064-50-M	1064-25-M	1064-25-0	1064-20-0-P	532-60-M	532-40-L	532-40-L	532-20-0	532-16-0	532-10-0
Wavelength	1064	1064	1064	1064	1064	532	532	532	532	532	532
Power CW (W)	100	50	25	25	20	n/a	n/a	n/a	n/a	n/a	n/a
Power at 10 kHz (W)	75	37	18	20	14	60	40	40	20	16	10
Power at 6 kHz (W)	60	30	14	17	10	55	40	40	18	16	9
Repetition Rate (kHz)	1-40	1-40	1-40	1-40	1-40	1-40	1-40	1-40	1-40	1-40	1-40
Pulse-to-Pulse Stability (% RMS) <sup>1</sup>	<2	<2	<3	<2	<2	<2	<3	<2	<3	<3	<3
Pulsewidth (ns)	<160	<200	<220	<140	<140	<150	<150	<170	<110	<110	<130
Beam Pointing Stability (μrad RMS)	<20	<30	<30	<15	<15	<20	<20	<20	<15	<15	<15
Beam Diameter (mm) <sup>2, 3</sup>	6	6	6	1.1	1.0	3.5	2.2	4.0	0.9	0.9	0.8
Beam Divergence (mrad) <sup>2</sup>	9.5	7	7	3	3	7	5	7	2.3	2.3	1.7
Beam Quality (M <sup>2</sup> )	<20	<12	<12	<1.2	<1.2	<25	<12	<25	<1.2	<1.2	<1.2

## Notes

1. All specifications at 6 kHz unless otherwise noted
2. Typical measurement ( $\pm 10\%$ )
3. Measured at 13.5% level at output window
4. V=Vertical. Factory default (can be changed upon request)

As a part of our continuous improvement program, all specifications are subject to change without notice.