1.1.2.6 Medium-High Power Fan Cooled Thermal Sensors

500mW to 500W

Features

- High powers and energies, large apertures
- Fan cooled
- Up to 500W
- Ø65mm apertures



FL500A / FL500A-LP1

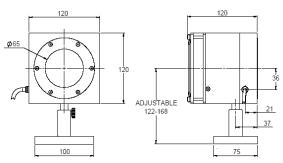
FL500A	FL500A-LP1
Very large aperture	High power densities and long pulses
Broadband	LP1
0.19 - 20	0.35 – 2.2
Ø65mm	Ø65mm
500mW - 500W	500mW - 500W
NA	NA
500W / 50W	500W / 50W
25mW	25mW
7 at 500W 12 at 150W	16 at 500W 39 at 150W
2.8	2.8
3	3 ^(b)
1.5	1.5
100mJ - 600J	100mJ - 600J
600J / 60J / 6J	600J / 60J / 6J
100	100
# /	33
0.3	0.05
1	0.3
5	15
10	40
30	200
fan	fan
NA	NA
2.7	2.7
9	
7Z02648	7Z02667S
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	Very large aperture Broadband 0.19 - 20 Ø65mm 500mW - 500W NA 500W / 50W 25mW 7 at 500W 12 at 150W 2.8 3 1.5 100mJ - 600J 600J / 60J / 6J 100 0.3 1 5 10 30 fan NA 2.7

Notes: (a) For lower powers up to 50W it is recommended to work with the fan off and then the noise level is ~3 times lower. It is also recommended to

measure energy with the fan off.

Notes: (b) LP1 sensors have relatively large spectral variation in absorption and have a calibrated spectral curve at all wavelengths in their spectral range to the above specified accuracy. Nova, Orion and LaserStar meters do not support this feature and when this LP1 sensor is used with those meters, accuracy will be ±3% for 532nm, 808nm, 1064nm and 2100nm and ±6% for other wavelengths in the spectral range 400 – 1100nm.

FL500A / FL500A-LP1



Rev14/spc/01.01.15/eg

