

FL600A-LP1-65 PN 7Z02763S

1W to 600W

Features

- High powers and energies, large apertures
- Fan cooled
- Up to 600W
- Ø65mm aperture

FL600A-LP1-65



Model	FL600A-LP1-65
Use	Long pulses
Absorber Type	LP1
Spectral Range μm	0.35 – 2.2
Aperture mm	Ø65mm
Power Mode	
Power Range ^(a)	1W - 600W
Power Scales	600W / 60W
Power Noise Level ^(a)	60mW
Maximum Average Power Density kW/cm ²	39 at 150W 11 at 600W
Response Time with Meter (0-95%) typ. s	3.2
Power Accuracy +/-%	3 ^(b)
Linearity with Power +/-%	1.5
Energy Mode	
Energy Range	300mJ – 600J
Energy Scales	600J / 60J / 6J
Minimum Energy mJ ^(a)	300
Maximum Energy Density J/cm ²	
<100ns	0.05
1 μs	0.3
0.5ms	15
2ms	40
10ms	200
Cooling	fan
Fiber Adapters	Contact Ophir representative
Weight Kg	2.4
Version	
Part Number	7Z02763S
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 $\pm 3\%$ for 532nm, 808nm, 1064nm and 2100nm and $\pm 6\%$ for other wavelengths in the spectral range 400 – 1100nm.

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