

L50(300)A-LP1 PN 7Z02641S

400mW to 300W

Features

- Thin profile, very large aperture
- CW to 50W, intermittent to 300W
- Ø65mm aperture

L50(300)A-LP1



Model	L50(300)A-LP1
Use	Long pulse lasers
Absorber Type	LP1
Spectral Range μm	0.25 – 2.2
Aperture mm	Ø65mm
Power Mode	
Power Range ^(a)	400mW - 300W
Maximum Intermittent Power	300W for 2min, 150W for 4.5min , 50W continuous
Power Scales	300W / 30W
Power Noise Level ^(a)	20mW
Maximum Average Power Density kW/cm ²	23 at 300W 75 at 50W
Response Time with Meter (0-95%) typ. s	3
Power Accuracy +/-%	3 ^(a)
Linearity with Power +/-%	1
Energy Mode	
Energy Range	200mJ – 300J
Energy Scales	300J / 60J / 6J
Minimum Energy mJ ^(a)	200
Maximum Energy Density J/cm ²	
<100ns	0.05
1 μs	0.3
0.5ms	20
2ms	40
10ms	100
Cooling	convection / ballistic
Weight kg	0.9
Version	V1
Part number	7Z02641S
Notes: (a)	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 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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