

FL250A-LP1-35 PN 7Z02731S

150mW to 250W

Features

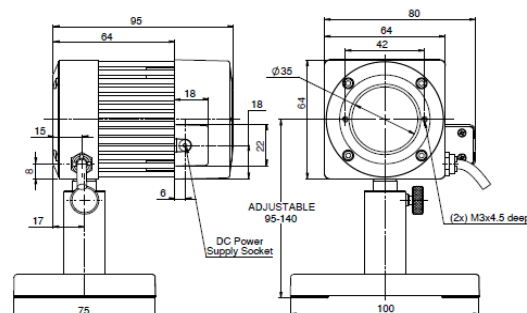
- High damage threshold
- Fan cooled
- Up to 250W
- Ø35mm aperture

FL250A-LP1-35



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| Model | FL250A-LP1-35 |
| Use | High power density and long pulse lasers |
| Absorber Type | LP1 |
| Spectral Range μm | 0.25 – 2.2 |
| Aperture mm | Ø35mm |
| Power Mode | |
| Power Range ^(b) | 150mW - 250W |
| Power Scales | 250W / 30W |
| Power Noise Level ^(b) | 15mW |
| Maximum Average Power Density kW/cm ² | 27 at 250W 39 at 150W |
| Response Time with Meter (0-95%) typ. s | 2 |
| Power Accuracy +/-% | 3 ^(a) |
| Linearity with Power +/-% | 1 |
| Energy Mode | |
| Energy Range | 50mJ – 300J |
| Energy Scales | 300J / 30J / 3J |
| Minimum Energy mJ ^(b) | 50 |
| Maximum Energy Density J/cm ² | |
| <100ns | 0.05 |
| 0.5ms | 20 |
| 2ms | 50 |
| 10ms | 250 |
| Cooling | fan |
| Fiber Adapters Available (see page 77) | ST, FC, SMA, SC |
| Weight kg | 0.4 |
| Version | |
| Part number | 7Z02731S |
| 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. |
| Notes: (b) | For lower powers up to 30W 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. |

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