

L30C-LP1-26-SH PN 7Z02766S

80mW to 100W

Features

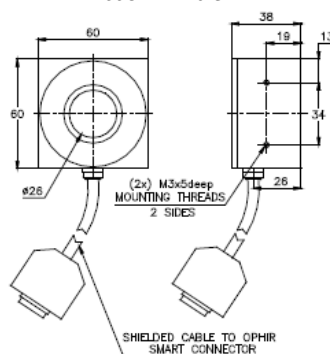
- Conduction cooled
- Smart sensor for high powers and energies
- High pulse energy and intermittent power

L30C-LP1-26-SH



Model	L30C-LP1-26-SH
Type	Smart sensor for high powers and energies
Features	High pulse energy and intermittent power
Absorber Type	LP1
Spectral Range μm	0.25 – 2.2
Aperture mm	$\varnothing 26$
Power Mode	
Maximum power ^(a)	free standing 10W continuous, 100W for 2min, 100W heat sinked
Minimum power	80mW
Power Noise Level	4mW
Maximum Average Power Density kW/cm^2	40 at 100W
Response Time (0-95%) typ. (sec)	1.5
Power Accuracy +/-% at calibrated wavelength	3 ^(a)
Linearity with Power +/-%	2
Energy Mode	
Maximum Energy	2000J
Minimum Energy	30mJ
Energy Accuracy +/-% at calibrated wavelength	5 ^(b)
Maximum Energy Density J/cm^2	
<100ns	0.05
0.5ms	20
2ms	50
10ms	250
Cooling	Conduction
Output	Ophir smart plug
Dimensions	60x60x38mm
Part number	7Z02766S
Note: (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.
Note: (b)	From 20J to 2000J

L30C-LP1-26-SH



Rev13/spc/31.10.17/eg