

High Power Water Cooled Thermal Sensors and Power Pucks

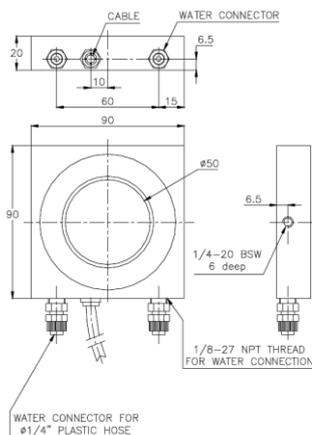
4W to 300W

Features

- High power
- Water cooled
- Up to 300W
- $\phi 50\text{mm}$ aperture



Model	L300W-LP
Use	High power densities and long pulses
Absorber Type	LP
Spectral Range μm	0.4 – 1.5, 10.6
Aperture mm	$\phi 50\text{mm}$
Power Mode	
Power Range	4W - 300W
Power Scales	300W / 30W
Power Noise Level	200mW
Maximum Average Power Density KW/cm ²	11 at 300W 14 at 150W
Response Time with Display (0-95%) typ. s	2.5
Power Accuracy +/-%	3 ^(a)
Linearity with Power +/-%	2
Energy Mode	
Energy Range	200mJ - 300J
Energy Scales	300J / 30J / 3J
Minimum Energy mJ	200
Maximum Energy Density J/cm ²	
<100ns	0.05
1 μs	0.3
0.5ms	20
2ms	50
10ms	150
Cooling	water
Minimum Water Flow Rate at Full Power	1 liter/min ^(b)
Weight Kg	0.6
Version	
Part number	7Z02689
Notes: (a)	Calibrated for 1.064 μm and 10.6 μm
Notes: (b)	Water temperature range 18-30°C. Water temperature rate of change <1°C/min.



Rev6/spc/01.01.13/eg