BD10K-W Beam Dump

Up to 11kW

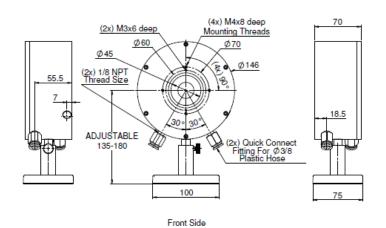
Features

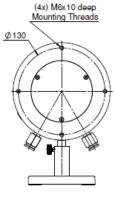
- Up to 11kW CW
- Water cooled
- High Power Density
- Ø45mm aperture



Model	BD10K-W				
Use	General-purpose High-power beam dump				
Absorber Type	Beam Deflector + Broadband				
Spectral Range µm	0.8 - 20				
Typical Absorption	86% for 600 to 2500nm, 82% for 10.6µm				
Aperture mm	Ø45mm				
Maximum Incident Power	11,000W				
Maximum Average Power Density	See note (b) below				
Maximum Energy Density J/cm ²	See note (b) below				
Cooling	water				
Minimum Water Flow Rate at Full Power	8 liter/min ^(a)				
Accessories for High Power Sensors	See pages 80-84				
Weight Kg	4.5				
Compliance	CE, UKCA, China RoHS				
Version	I FAIR UT -				
Part number	7Z17202				
Notes: (a): Water temperature range 18-30°C. Water temperature rate of change <1°C/min. Pressure drop across BD5000W-BB-50 beam dump 0.06MPa. Pressure drop across BD10K-W beam dump 0.1MPa.					
•	Beam diameter	Max power density	Max energy density		_
		The same of the sa	1ms pulse width	3ms pulse width	10ms pulse width
Notes: (b):	<15mm	10KW/cm ²	30J/cm ²	60J/cm ²	150J/cm ²
Max power and energy density	15 – 20mm	7KW/cm ²	20J/cm ²	40J/cm ²	100J/cm ²
	20 – 40mm	5KW/cm ²	15J/cm ²	30J/cm ²	70J/cm ²
	40 – 45mm	4KW/cm ²	12J/cm ²	25J/cm ²	60J/cm ²

BD10K-W





Rear Side

