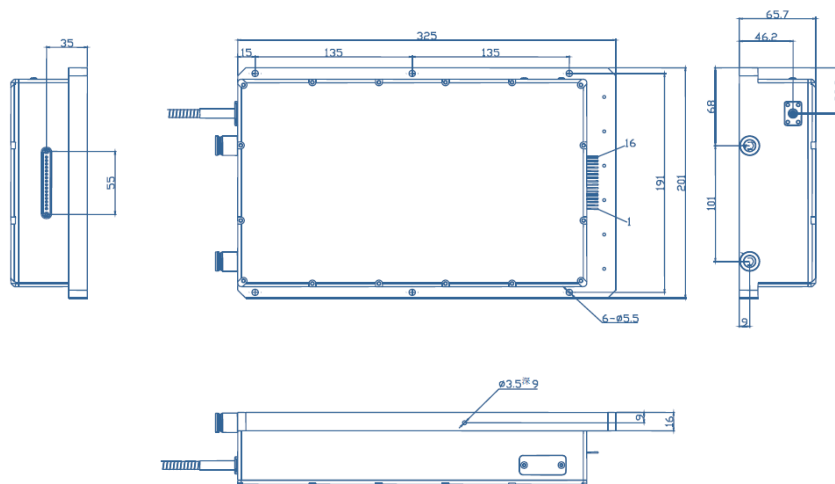


Model		M450±10-500-F200/22-V23-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W	480	500	
Centroid wavelength	nm	440	450	460
Spectral width (FWHM)	nm		6.0	
Beam quality BPP	mm.mrad		18	20
Number of diode submodule	-		6	
Fiber Pigtail				
Core diameter	µm	196	200	204
Numerical aperture	-	0.20	0.22	0.24
Length	m	1		5
Connector	-		water-cooled SMA905	
Electric (diode submodule)*				
Threshold current	A		0.5	
Operating current	A			3.5
Operating voltage	V			110
Slope efficiency	W/A		33	
Power conversion efficiency	%	24.8		
Accessories				
Thermistor	kΩ		10k@25°C	
Red pilot wavelength	nm		650±5	
Absolute Ratings				
Operating (water) temperature	°C		20±2	
Operating humidity	%		<75	
Storage temperature	°C		-20 – +80	
Storage humidity	%		90	

1	LD 1 Anode	9	LD 5 Anode
2	LD 1 Cathode	10	LD 5 Cathode
3	LD 2 Anode	11	LD 6 Anode
4	LD 2 Cathode	12	LD 6 Cathode
5	LD 3 Anode	13	Aiming Beam +5V
6	LD 3 Cathode	14	Aiming Beam GND
7	LD 4 Anode	15	PD Cathode
8	LD 4 Cathode	16	PD Anode



Compliance with Regulatory Requirements: This industrial laser is an OEM version of a laser diode. As such, it is intended only for integration into other equipment. This laser does not comply with IEC and CDRH requirements. The customer is responsible for IEC and CDRH certifications of the system that incorporates this industrial laser.

