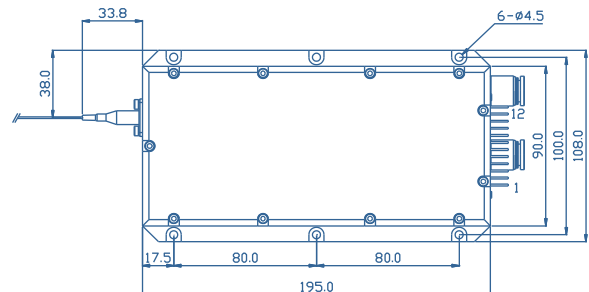
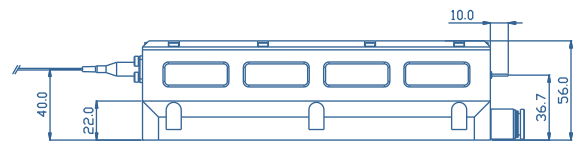
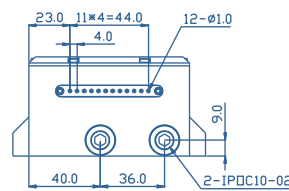


Model		M450±10-100-F105/22-V11S-AP		
Optical	Units	Min	Typical	Max
Output Power (exit fiber)	W	110	120	
Central Wavelength	nm	440	450	460
Spectral linewidth (90% power)	nm		<6.0	
Wavelength Temp. Coefficient	nm/°C		0.1	
Fiber				
Core Diameter	µm	102	105	108
Cladding Diameter	µm		125	
Numerical Aperture	-	0.20	0.22	0.24
Length	m		1, 2 or 5	
Connector (optional)	-		SMA905	
Electric (Submodule)				
Threshold Current	A		0.3	
Operating Current	A		4.0	
Operating Voltage	V		64	66
Slope Efficiency	W/A		13.5	
Power Conversion Efficiency	%		19.5	
Submodule	-		2	
Options				
Thermistor	kΩ		10@25°C	
Aiming beam	-		650nm or 515nm, 2mW	
Absolute Ratings				
Operating (Water) Temperature	°C		18 – 25	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	

Pinout	Function
1	Laser Diode 1 Anode
2	Laser Diode 1 Cathode
3	Laser Diode 2 Anode
4	Laser Diode 2 Cathode
5	NC
6	NC
7	Thermistor
8	Thermistor
9	Aiming Beam Anode
10	Aiming Beam Cathode
11	Photodiode GND
12	Photodiode Anode



Compliance with Regulatory Requirements: This product is an OEM laser diode and is not certified in accordance with IEC 60825-1 or 21CFR1040.10/21CFR1040.11. As such, it is intended only for integration into a laser product certified by the Purchaser. The Purchaser acknowledges that their products must comply with the applicable regulations before it can be sold.

