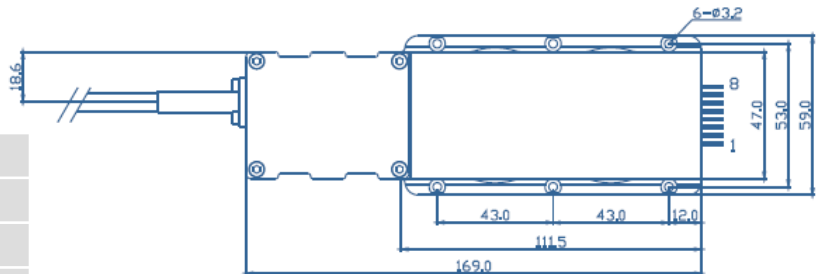
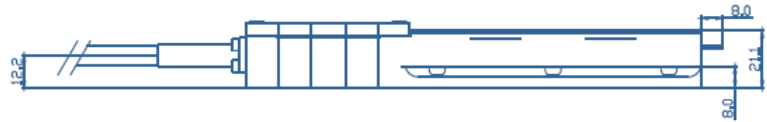
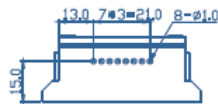


Model		M450±10-50-F100/22-B50-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W		50.0	
Centroid wavelength	nm	440	450	460
Spectral width (FWHM)	nm		6.0	
Fiber Pigtail				
Core diameter	µm		100	
Cladding diameter	µm		500	
Numerical aperture	-		0.22	
Connector	-		High-power SMA905	
Length	m		1 - 5	
Electric				
Threshold current	A		0.30	
Operating current	A		2.60	3.00
Operating voltage	V		56.0	57.0
Slope efficiency	W/A		21.5	
Power conversion efficiency	%	30	34	
Accessories				
Thermistor	kΩ		10k@25°C	
Red aiming	-		650nm, 5VDC	
Absolute Ratings				
Operating (thermistor) temperature	°C		20 - 35	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – +80	
Storage humidity	%		90	



1	LD Anode	5	Thermistor
2	LD Cathode	6	Thermistor
3	Red aiming 5V	7	PD Cathode
4	Red aiming GND	8	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.



