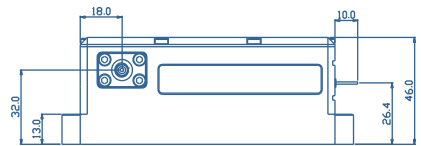
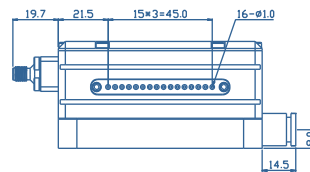
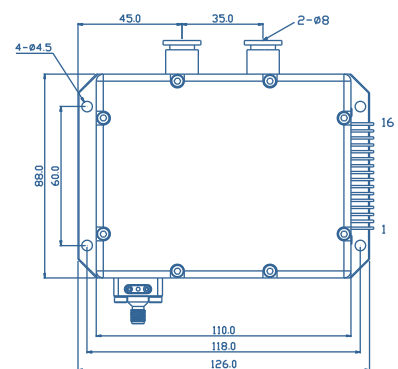


Model		M450±10-50-D400/22-V8-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W		50.0	
Centroid wavelength	nm	430	450	440
Spectral width (FWHM)	nm		6.0	
Fiber				
Core diameter	µm		400	
Numerical aperture	-		0.22	
Connector	-		SMA905	
Electric				
Threshold current	A		0.26	
Operating current	A		2.20	2.50
Operating voltage	V		76.0	77.5
Slope efficiency	W/A		25.1	
Power conversion efficiency	%	28	29.5	
Accessories				
Thermistor	kΩ		10k@25°C	
Absolute Ratings				
Operating (thermistor) temperature	°C		25 - 35	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – +80	
Storage humidity	%		90	



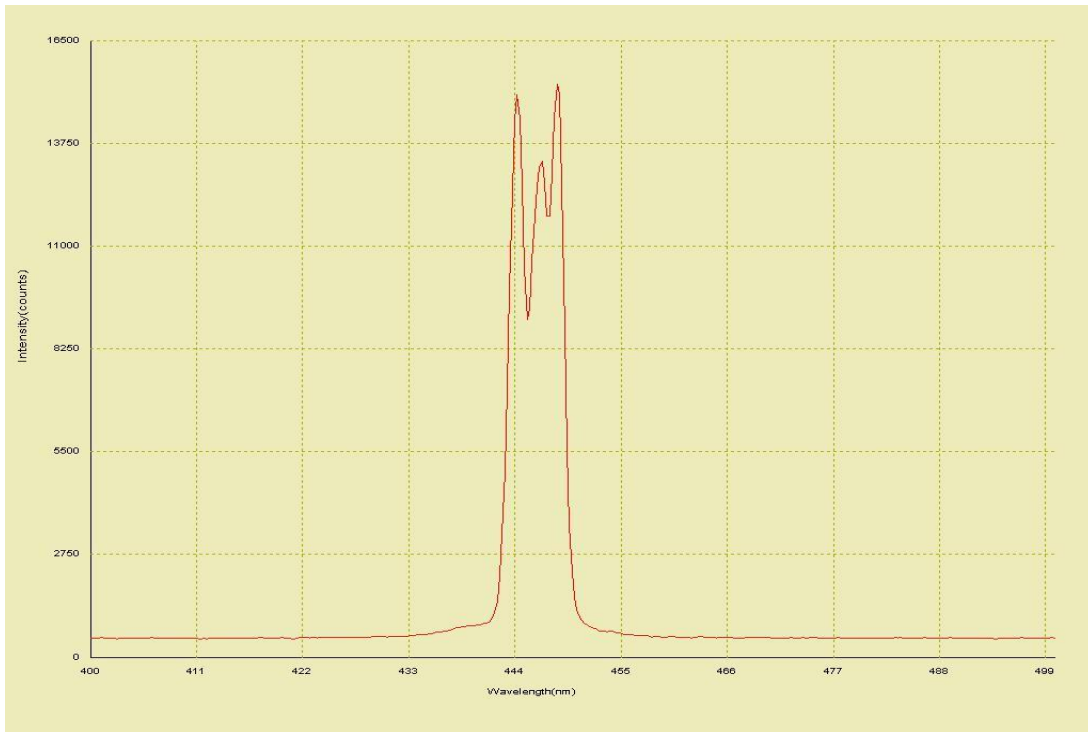
Pinout	Function	Pinout	Function
1	LD Anode	9	NC
2	LD Cathode	10	NC
3	NC	11	NC
4	NC	12	NC
5	NC	13	Photodiode P
6	NC	14	Photodiode N
7	NC	15	Thermistor
8	NC	16	Thermistor



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.



Spectrum



Optical Power - Current

