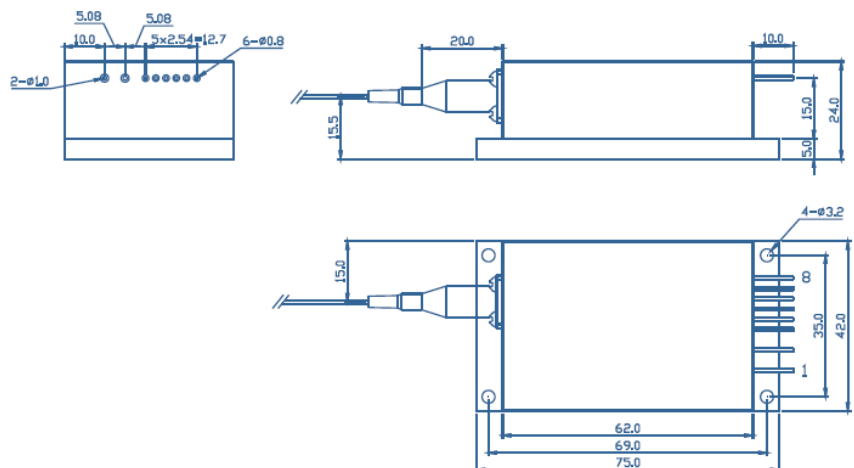


Model		M520±10-5-F105/22-C1S-P		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W		5.0	
Centroid wavelength	nm	510	520	530
Spectral width (FWHM)	nm			10.0
Wavelength-Temperature Shift	nm/°C		0.33	
Fiber pigtail				
Core diameter	µm		105	
Cladding diameter	µm		125	
Numerical aperture	-		0.22	
Connector (optional)	-		SMA905	
Length	m		1, 2, 5	
Electric				
Threshold current	A	0	0.3	
Operating current	A		1.8	2.0
Operating voltage	V		18.0	
Slope efficiency	W/mA		0.8	
Power conversion efficiency	%		15	
Accessories				
Thermistor	kΩ		10k@25°C	
Monitor photodiode current	µA		100 - 1000	
Absolute Ratings				
Operating (thermistor) temperature	°C		15 - 35	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – 80	
Storage humidity	%		90	

1	LD Anode
2	LD Cathode
3	-
4	PD Cathode
5	PD Anode
6	Thermistor
7	Thermistor
8	-



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.

