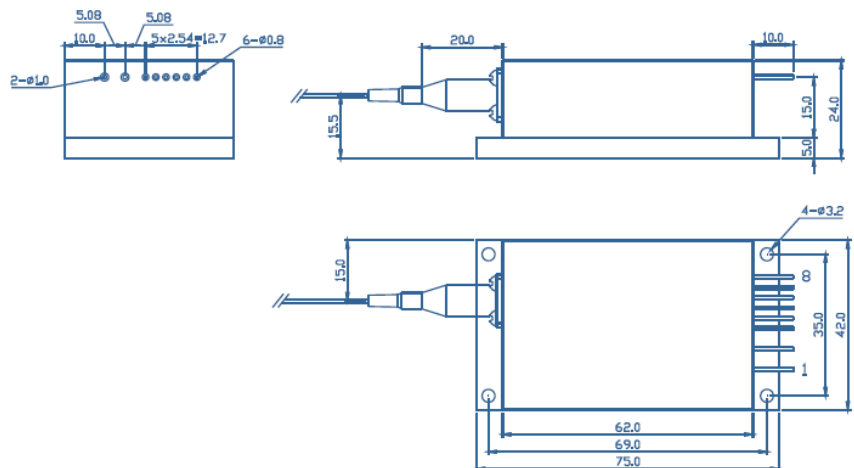


Model		M520±10-4-F105/22-C1S-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W		3.5	4.0
Centroid wavelength	nm	510	520	530
Spectral width (FWHM)	nm			10.0
Wavelength-Temperature Shift	nm/°C		0.33	
Fiber Pigtail				
Core diameter	µm	102	105	108
Numerical aperture	-	0.20	0.22	0.24
Length	m		1.5	2.0
Connector	-		SMA	
Electric				
Threshold current	A		0.3	
Operating current	A		1.8	
Operating voltage	V		13.5	
Slope efficiency	W/mA		2.7	
Power conversion efficiency	%		16.5	
Accessories				
Thermistor, resistance@25°C	kΩ		10k	
Monitor photodiode current	µA		100 - 1000	
Aiming beam, wavelength	nm		650	
Absolute Ratings				
Operating temperature (thermistor)	°C		20 - 30	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – 80	
Storage humidity	%		90	

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

