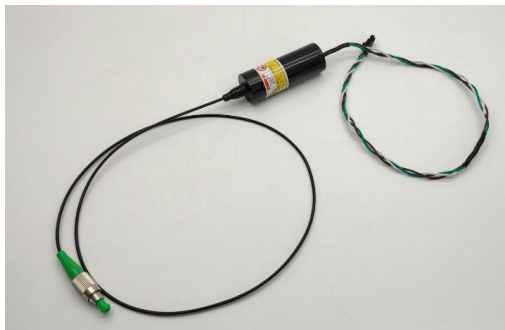


Single Mode Fiber Coupled Laser Module

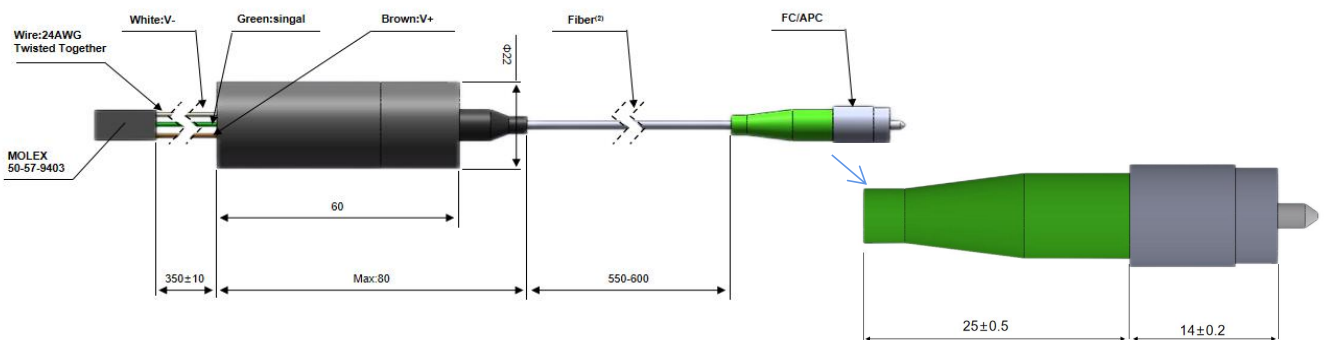


Model Number	LAS-G520-SMF25
Center Wavelength (1)	520nm
Operating Voltage(DC)	5V
Operating Current	≤ 600mA
Output Power (1)	25mW-30mW
Fiber coupling efficiency	> 30%

Ref.Pictures



Dimensions (Unit: mm)



(1) after fiber, at case temperature 25°C.

Suitable heat sink should be used to control the case temperature.

(2) Minimum bending radius of the fiber is 30mm.

Single Mode Fiber Coupled Laser Module



Specifications				
Mechanical Specifications		Min	Typ	Max
Laser Head	Diameter (mm)	21.8	22	22.2
	Length (mm)	-	78	80
	Weight (g)	45	50	55
Housing Material		Black Anodized Aluminum		
Optical Specifications		Min	Typ	Max
Center Wavelength		515	520	535
Spectral Width(nm)		-	1	2
Output Power @ case temperature 25°C		25	27	30
Power Stability @ case temperature 25°C		±2%	±5%	±10%
M ²		-	2.1	2.7
Longitudinal Mode		Single Mode Fiber		
Laser Class		3B		
Fiber Specifications		Min	Typ	Max
Fiber Type		3.5/125um with 2000um loose tube		
Numerical Aperture		0.12	0.13	0.14
Fiber Length (mm)		550	600	600
Fiber Termination		FC/APC connector		
Electrical Specifications		Min	Typ	Max
Operating Voltage(V)			5.0	
Operating Current(mA) @ 5V		-	550	600
Modulation Voltage(DC,V)			5.0	
Modulation Frequency(KHz)			10	
Rise Time (seconds)		-	0.2	0.5
Operational Model@ 25°C		PWM- (100% to 0% duty cycle adjusted. 100% is 0mW, 0% is Max. Power .)		
Connector Model		MOLEX 50-57-9403		
Isolation		Yes		
Reliability		Min	Typ	Max
Case Operating Temperature Range (°C)		-10	-	60
Storage Temperature (°C)		-40	-	85
Environmental Humidity (RH, %)		5	-	85
Lifetime (hours) (MTTF at 25°C)		2,000	-	-
RoHS3 Compliance Declaration		Yes		