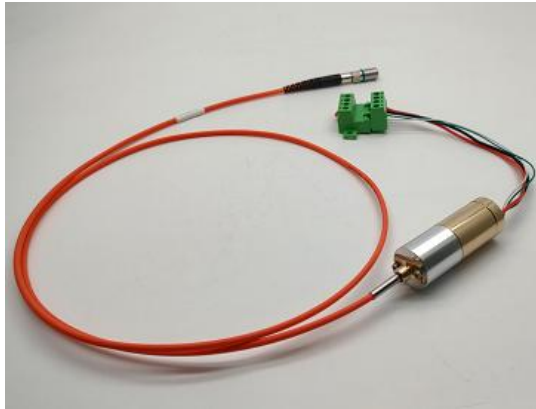


# Green 545nm Fiber Coupled Laser Module

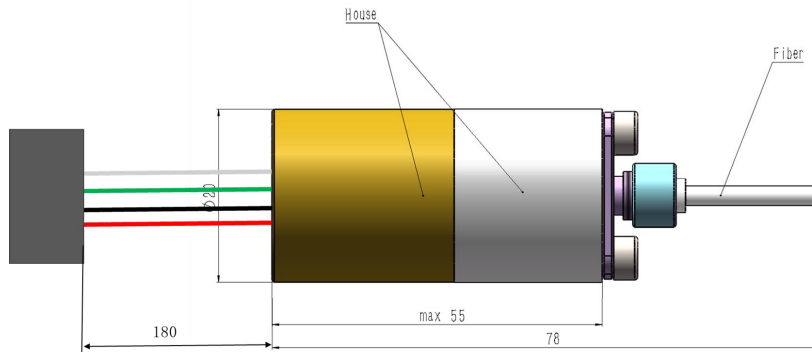


## MMF-G545D1500-20x55

### Features

- DPSS Laser
- Fiber Coupled
- Fast Rise Time
- High Reliability

### Dimensions (Unit: mm)



## Specifications

Model Number		MMF-G545D1500-20x55		
Mechanical Specifications		Min	Typ	Max
Laser Head	Diameter (mm)	19.95	20	20.05
	Length (mm)	-	-	55
	Weight (g)	-	130	-
Housing Material		Brass with gold-plating		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		544	545	546
Spectral Width(FWHM)		-	-	1
Output Power (mW) at 25°C at 10A after fiber		1500	-	-
Power Stability <sup>(1)</sup>		-	+/- 2%	+/- 5%
Longitudinal Mode		Multi-mode		
Laser Class		4		

(1) at 25°C over 2 hours

<b>Fiber Specifications</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Fiber Type	200um with 3mm loose tube <sup>(1)</sup>		
Fiber Numerical Aperture	-	0.22	
Fiber Length (m)	-	1	-
Fiber Termination	SMA905 <sup>(2)</sup>		
Bend			
<b>Electrical Specifications</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Power Type	ACC		
LD Voltage (DC, V)	2	2.6	2.7
LD Operating Current (mA) at 2.6V	-	9,500	10,000
Thermistor Constants	A = 2.231e <sup>-3</sup> B = 4.694e <sup>-5</sup> C = 0.884e <sup>-6</sup>		
Thermistor Resistance	6.6KΩ@35°C    8.2KΩ@30°C 10.0KΩ@25°C    12.3KΩ@20°C 16.4KΩ@15°C    18.5KΩ@10°C		
Power Consumption (W)	-	21.85	27
Housing Isolation	No		
ESD protection	No		
Wire Length (mm) <sup>(3)</sup>	200 (+/-50)		
Wire Type <sup>(3)</sup>	20AWG / 28AWG		
<b>Reliability</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Operating NTC Temperature Range (°C)	20	25	30
Rise Time (seconds) at 9.5A <sup>(4)</sup>	-	3	5
Storage Temperature (°C)	0	-	40
Environmental Humidity (RH, %)	5	-	85
Lifetime (hours) (MTTF at T	5,000	-	-
RoHS Compliance Declaration	Yes		

(1) Others can be customized.

(2) FC/PC, FC/APC connector can be cusmoized.

(3) Wire Length can be customized. 20AWG for LD wires. 28AWG for NTC wires.

(4) to 50% of full Output Power. Dot (~10mW) can be seen after 0.2s if >1A