

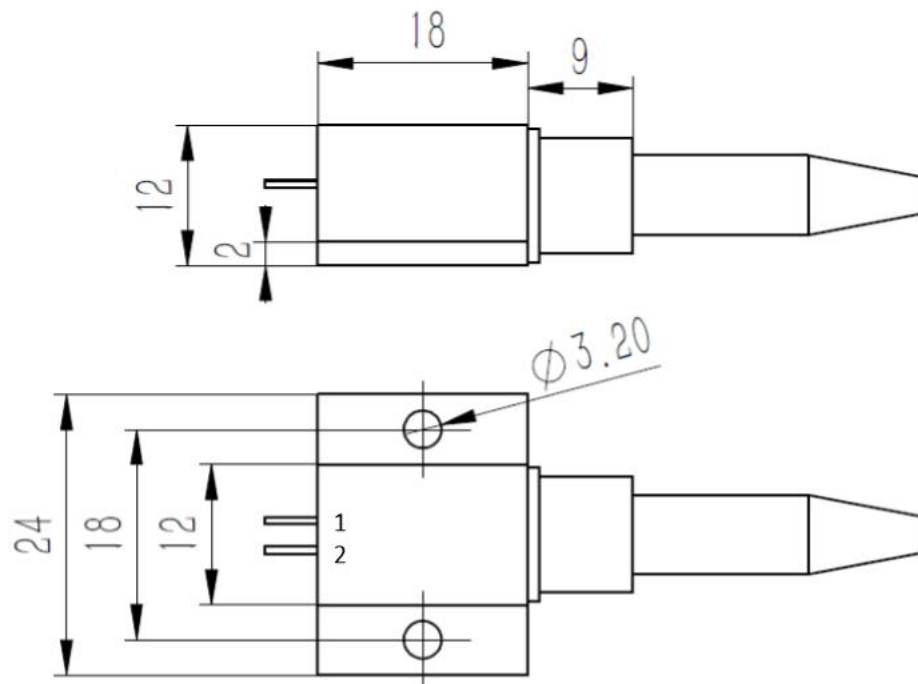
Model #: FJ525A11

Fiber Coupled 525nm Laser with 105um Core Diameter, NA0.22 FC connector, 1m length, 0.8W Output Power

Parameters:

Typical parameters		Symbol	Unit	Value
Optical parameters	Output power	P	W	0.8
	Central wavelength	λ	nm	525
	Wavelength range	-	nm	515-532
	Spectral Width	$\Delta\lambda$	nm	-
	Temperature coefficient	-	nm/°C	-
Optical Fiber Parameters	Fiber Core Diameter	W 105	μm	105
	Numerical aperture	NA	-	0.22
	Connector	-	-	FC
Electrical Parameters	Working Current	I_{op}	A	1.6
	Threshold current	I_{th}	A	0.2
	Power conversion efficiency	η	%	~12
	Differential quantum efficiency	ηD	W/A	~0.6
	Working voltage	V_{op}	V	4~6
Others	working temperature	T_{op}	°C	10~30
	Storage temperature	T_{st}	°C	-20~+60
	life expectancy	MTTF	h	>10000

Packaging dimensions:



Pin	Explain	Pin	Explain
1	LD-	2	LD+

Matters needing attention:

- Avoid laser irradiation of eyes and skin when laser works.
- Antistatic measures must be taken in transportation, storage and use.
- Constant current power supply is used to avoid surge when working.
- It should be used under rated current and rated power.
- Good heat dissipation should be guaranteed when the laser works.
- The end face of the optical fiber should be cleaned before use.
- Optical fibers should not bend at large angles. The bending diameter should be greater than 300 times the diameter of optical fibers.

