

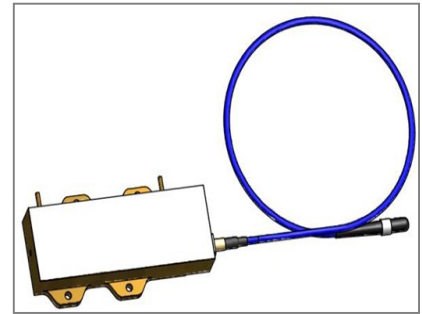
878.6nm CW 80W Fiber Coupled Diode Laser

P/N: STHL-880-80-400

Features:

- High power
- Long lifetime
- Narrow linewidth

- **Applications:**
- DSSL Pumping
- Scientific research



		Unit	Min.	Typ.	Max.
Optical	Output power	W		80	
	Central wavelength	nm	878.1	878.6	879.1
	Spectral width FWHM	nm		0.3	
	Wavelength shift	nm/°C		0.02	
Fiber	Numerical aperture	NA		0.22	
	Fiber core	um		400	
	Connector			SMA905	
	Fiber length	m	1.4	1.5	1.6
Electrical	Operation current	A		9	10
	Threshold current	A		1	
	Operation voltage	V		21	21.5
	Slope efficiency	W/A		10	
	Conversion efficiency	%		45	
Thermal	Wavelength stabilized operation current	A	7		10
	Operation temp.	°C	20		30
	Operation Relative humidity	%			75
	Store temp.	°C	-20		70
	Store relative humidity	%	5		85
	Recommended thermal dissipation capacity	W		>120	

All the parameters were tested in 25 °C temperature, unless otherwise stated.

