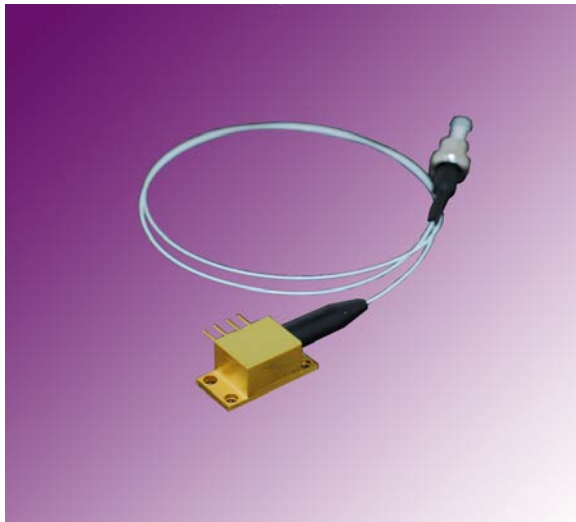




## 808nm 4-pin Laser Diode Modules (2-4W)

**G808-2WF-04LTR**

**G808-4WF-04LTR**



### Features:

**Output Power: 2~4W**

**Fiber core diameter: 105/200 $\mu$ m**

**0.22NA**

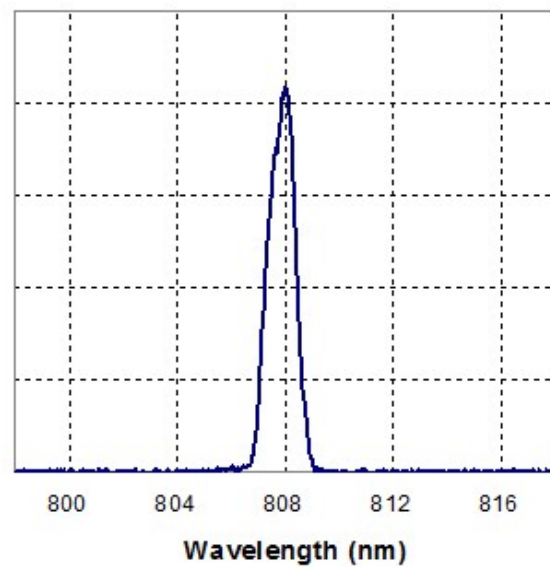
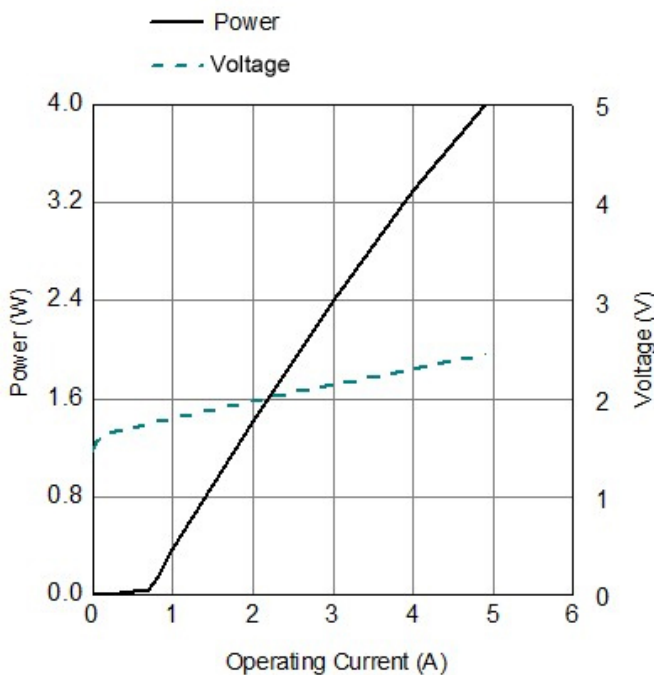
### Applications

**Medical use**

**Laser Pumping**

**Material processing**

### 808nm Characteristics (25°C, 4W)



## Typical Device Performance (25°C)

Parameter		Symbol	Typical Value		Unit
			G808-2WF-04LTR	G808-4WF-04LTR	
Optical	CW Output Power	$P_{op}$	2	4	W
	Center Wavelength	$\lambda_c$	808±3, 808±10		nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<3		nm
	Wavelength Shift with Temperature	$\Delta\lambda/\Delta T$	0.3		nm/°C
Electrical	Threshold Current	$I_{th}$	0.4	0.6	A
	Operating Current	$I_{op}$	2.5	5.5	A
	Operating Voltage	$V_{op}$	1.9	2.1	V
	Slope Efficiency	$\eta_{es}$	0.7-1.0		W / A
Fiber	Core Diameter	$d_{core}$	105,200		μm
	Cladding Diameter	$d_{clad}$	125,220		μm
	Buffer Diameter	$d_{buffer}$	250,400		μm
	Numerical Aperture	NA	0.22		-
	Connector	-	ST, FC, SMA905		-

## Other Parameters

Parameter	Operating Temperature /°C	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature, 10s max/°C	MTBF/h
Min	10	-20	-	-	10000
Max	30	80	90	250	-

## Package Dimensions (mm)

Pin	Function
1	Laser (+)
2	Laser (-)
3	PD N
4	PD P

