

808nm 2W, 4W, 6W Laser Diode Modules

Function: PD

G808-2WF-04LTR

G808-4WF-04LTR

G808-6WF-04LTR



Features

Output power: 2W, 4W, 6W

Fiber core diameter: 105/200 μm

0.22NA

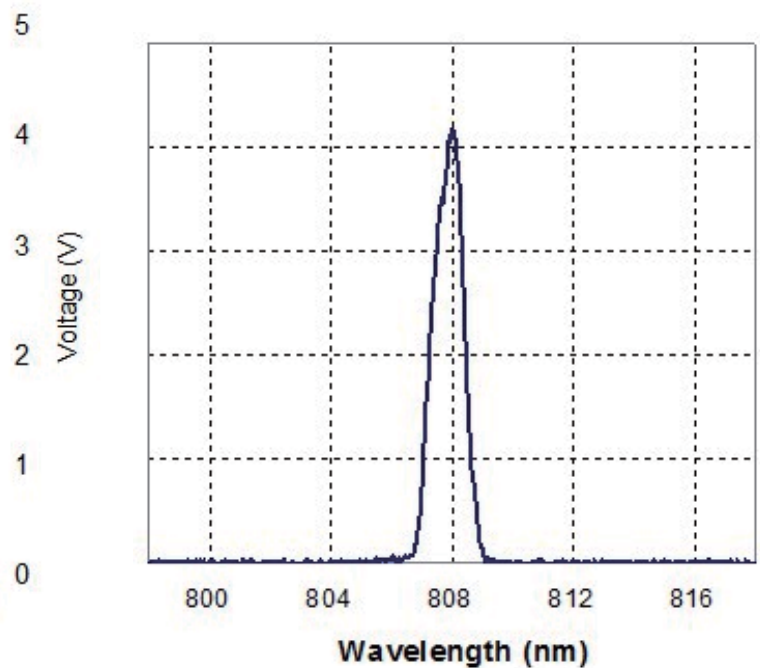
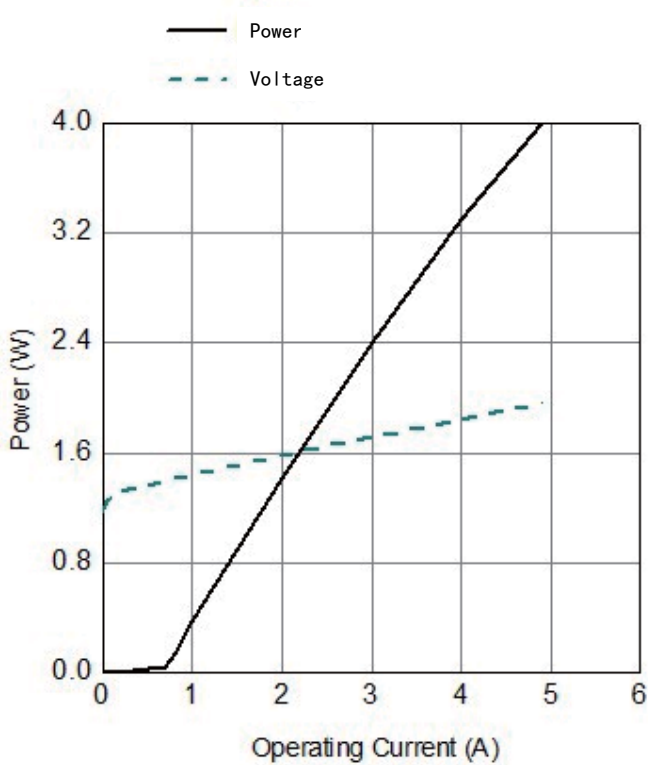
Application

Laser pumping

Medical use

Material processing

808nm Characteristics (25°C)



Typical Device Performance (25°C)

Parameter	Symbol	Typical			Unit	
		G808-2WF-04LTR	G808-4WF-04LTR	G808-6WF-04LTR		
Optical	CW Output Power	P_{op}	2	4	6	W
	Center Wavelength	λ_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	1.2	A
	Operating Current	I_{op}	2.5	5.5	7.6	A
	Operating Voltage	V_{op}	1.9	2.1	2.1	V
	Slope Efficiency	η_{es}	0.7-0.8			W/A
Fiber	Fiber Core Diameter	d_{core}	105, 200			μm
	Fiber Cladding Diameter	d_{clad}	125, 220			μm
	Fiber Buffer Diameter	d_{buffer}	250, 400			μm
	Numerical Aperture	NA	0.22			-
	Connector	-	ST, FC, SMA905			m

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 (+), Case
2	Laser (-)
3	PD (N)
4	PD (P)

