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808nm 4W Laser Diode Module

R808±10-4WF-04LTR



Feature

Output power: 4W

Wavelength: 808±10nm

Fiber core: 105 μm, 0.22NA

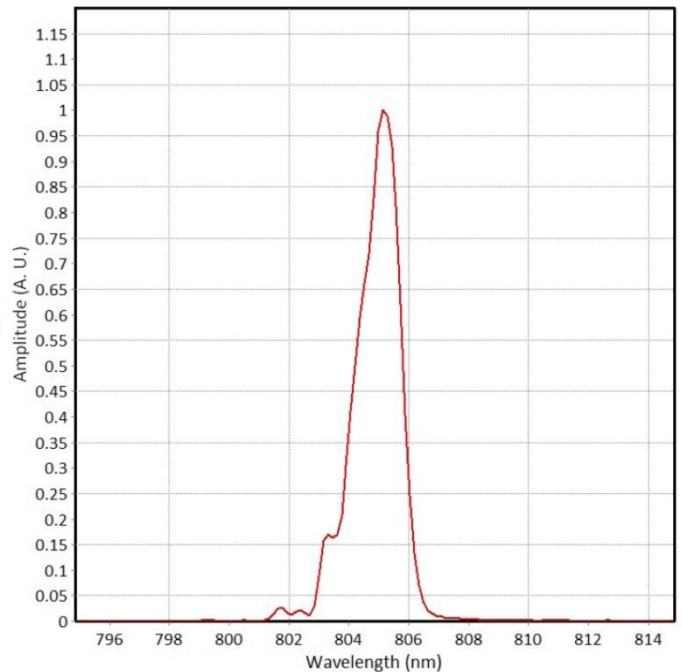
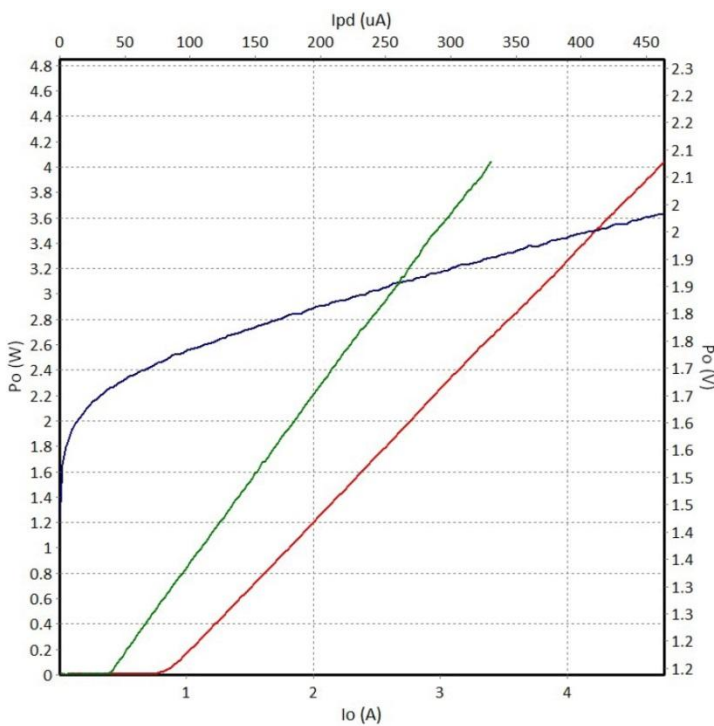
Application

Medical use

Material processing

Laser pumping

808nm 4W Characteristics (25°C)



Typical Device Performance(25°C)

Parameter		Symbol	Typical Value	Unit
			R808±10-4WF-04LTR	
Optical	CW Output Power	P_{op}	4	W
	Center Wavelength	λ_c	808±10	nm
	Spectral Width	$\Delta\lambda$	≤3	nm
	Temperature drift of wavelength	$\Delta\lambda / \Delta T$	0.3	nm/°C
Electrical	Threshold Current	I_{th}	0.84	A
	Operating Current	I_{op}	4.63	A
	Operating Voltage	V_{op}	1.97	V
	PD Current	I_{PD}	<2000	μA
	Slope Efficiency	η_{es}	1.1	W/A
Fiber	Fiber Core Diameter	d_{core}	105	μm
	Fiber Cladding Diameter	d_{clad}	125	μm
	Fiber Buffer Diameter	d_{buffer}	250	μm
	Numerical Aperture	NA	0.22	-
	Connector	-	FC/PC,ST,SMA905	-

Other Parameters

Parameter	Operating Temperature /°C	Operating Relative Humidity /%	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature(max/°C)
Min	10	-	-20	-	-
Max	30	75	80	70	250(10Sec.)

Package Dimensions (mm)

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

