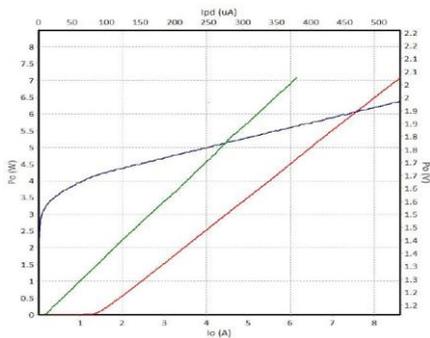
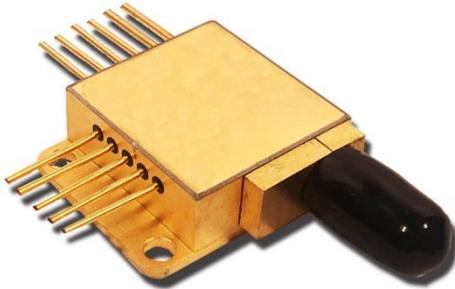


808nm 4/7/9W Laser Diode Module

R808±10-4/7/9WD-11RTR-PFS



808nm/7W P-I-V graphs

Feature
Output power: 4W,7W,9W
Wavelength: 808±10nm
Fiber core: 105 μ m/200μm/400μm
Numerical aperture: 0.22NA
Aiming beam: 650nm±10
Application
Medical use
Material processing

Typical Device Performance (25°C)

Parameter		Symbol	Typical value			Unit
			R808±10-4WD-11RTR-PFS	R808±10-7WD-11RTR-PFS	R808±10-9WD-11RTR-PFS	
Optical	CW output power	Pop	4	7	9	W
	Center wavelength	λ_c	808±10			nm
	Spectral Width	$\Delta\lambda$	≤6			nm
	Temperature drift of wavelength	$\Delta\lambda/\Delta T$	0.3			nm/°C
Aiming beam	Output power	Pa	2.0			mW
	Wavelength	λ_a	650±10			nm
	Voltage	Va	2.2, 5.0			V
Electrical	Threshold Current	Ith	1.6	1.38	1.41	A
	Operating Current	Iop	7	8.54	11	A
	Operating Voltage	Vop	1.89	1.93	2.02	V
	Operating Voltage	η_{es}	0.92	0.98	0.95	W/A
	PD Current	IPD	< 3000			μA
	Thermistor	Rt	10±5%/3450			kΩ/β(25°C)
Fiber	Fiber core	dcore	105	200	400	μm
	Connector	-	SMA905			-

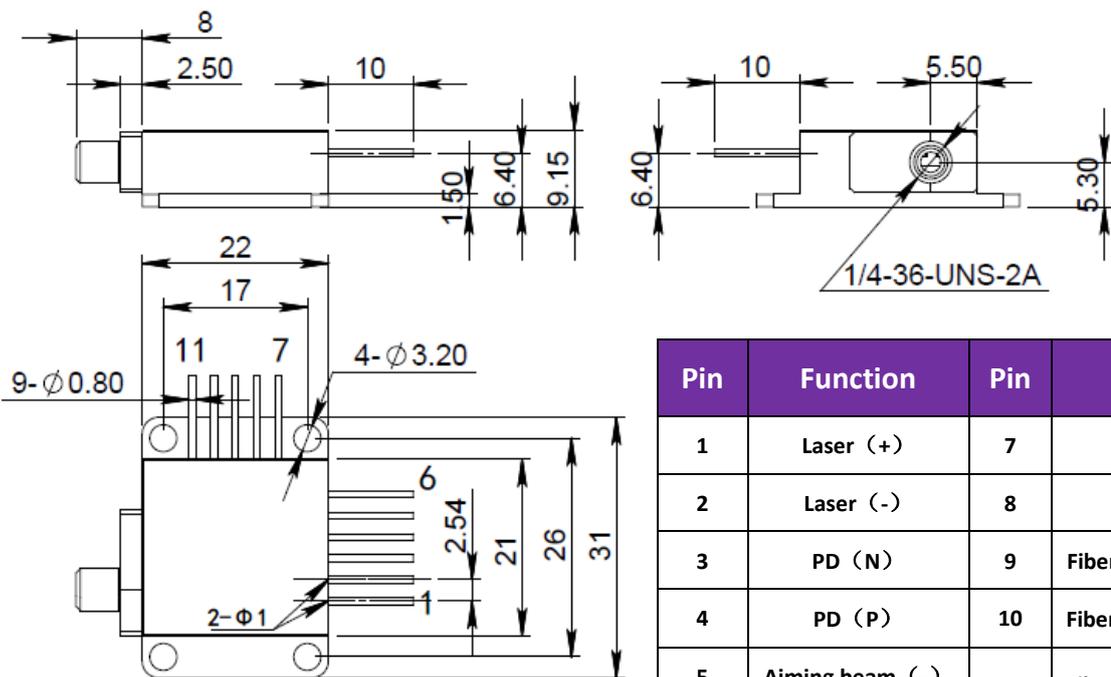
Other Parameters

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.)

Order information

11RTR series model list		
Wavelength	Power	Part number
808nm	4W	R808±10-4WD-11RTR-PFS
	7W	R808±10-7WD-11RTR-PFS
	9W	R808±10-9WD-11RTR-PFS

Package Dimensions (mm)



Pin	Function	Pin	Function
1	Laser (+)	7	Thermistor
2	Laser (-)	8	Thermistor
3	PD (N)	9	Fiber detector PD (P)
4	PD (P)	10	Fiber detector LED (-)
5	Aiming beam (-)	11	Fiber detector LED (+)
6	Aiming beam (+)		Fiber detector PD (N)