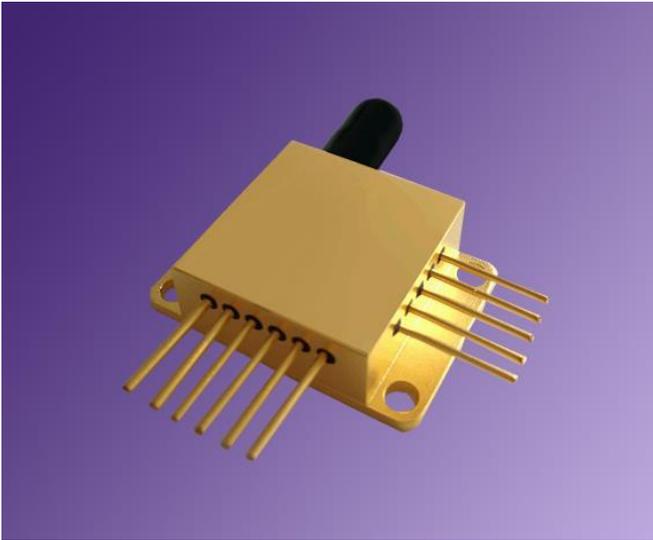


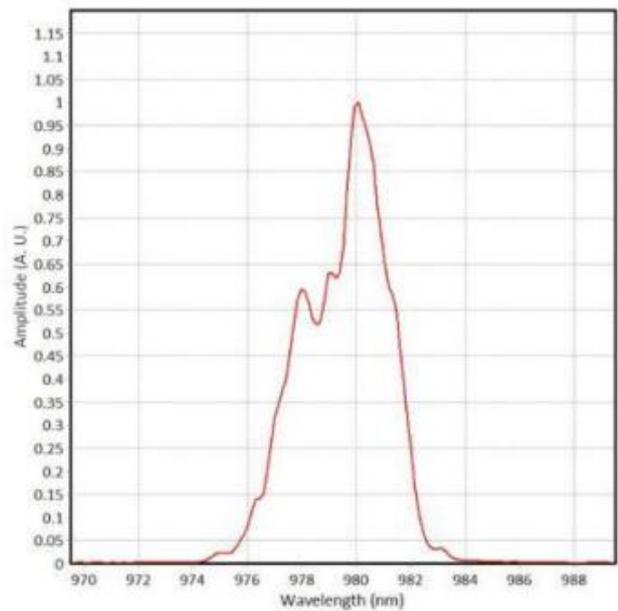
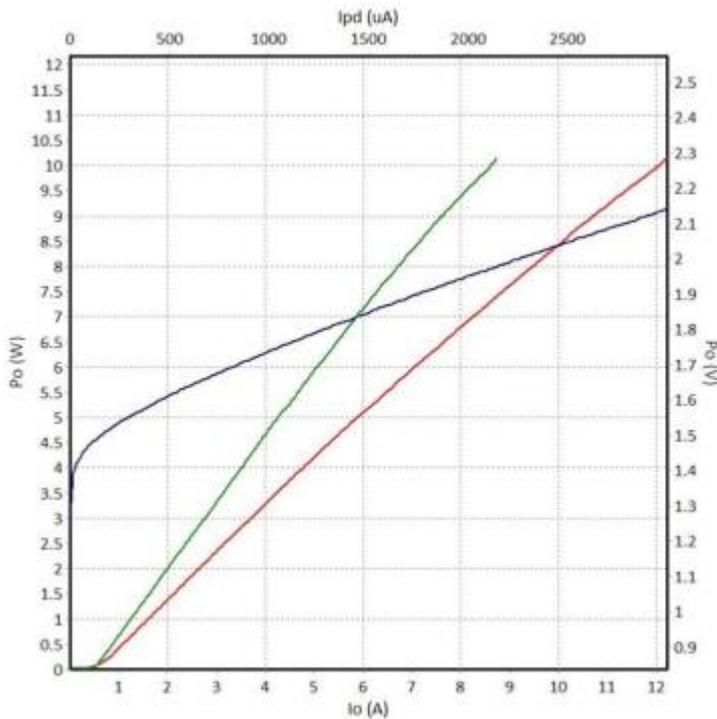
980nm 4W/10W Laser Diode Module

R980±10-4/10WD-11RTR-PFS



Feature
Output power : 4W,9W
Wavelength : 980±10nm
Fiber core : 200µm
Numerical aperture: 0.22NA
Aiming beam : 650nm
Application
Medical use
Material processing

980nm 10W Characteristics (25°C)



Typical Device Performance(25°C)

Parameter		Symbol	Typical Value		Unit
			R980±10-4WD-11RTR-PFS	R980±10-10WD-11RTR-PFS	
Optical	CW Output Power	Pop	4	10	W
	Center Wavelength	λ_c	980±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		mW
	Wavelength	λ_a	650±10		nm
	Voltage	Va	2.2, 5.0		V
Electrical	Threshold Current	I _{th}	0.6		A
	Operating Current	I _{op}	12.05		A
	Operating Voltage	V _{op}	2.13		V
	Slope Efficiency	η_{es}	0.87		W/A
	PD Current	IPD	<3000		μA
	Thermistor	R _t	10±5%/3450		kΩ/β(25°C)
Fiber	Fiber Core Diameter	d _{core}	200		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.)

Package Dimensions (mm)

Pin	Function	Pin	Function
1	Laser(+)	7	Thermistor
2	Laser(-)	8	Thermistor
3	PD(N)	9	FCD PD(P)
4	PD(P)	10	FCD LED(-)
5	Aiming Beam LD(-)	11	FCD LED(+); FCD PD(N)
6	Aiming Beam LD(+)		

