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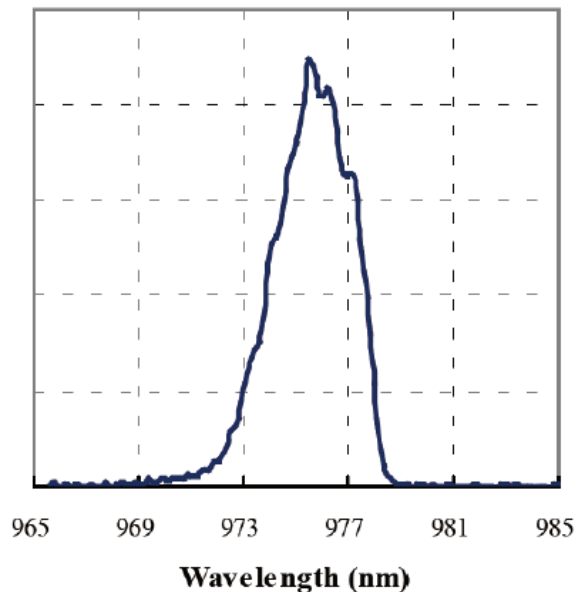
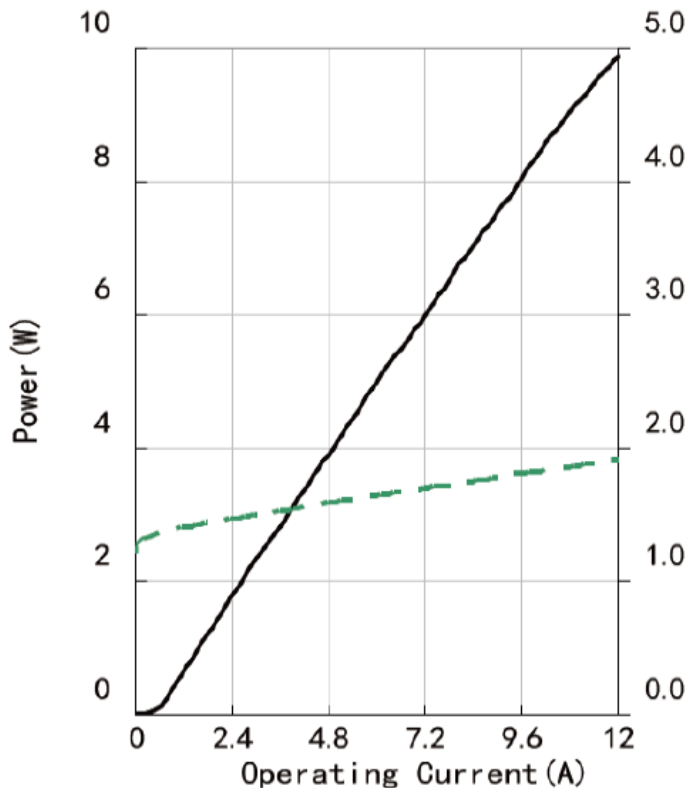
## 980nm 10W Laser Diode Module

R980±10-10WF-02HBCK-R



Feature
Output power: 10W
Wavelength: 980±10nm
Fiber core: 105 μm, 0.22NA
Feedback protection
Application
Laser pumping
Material processing

### 976nm 10W Characteristics (25°C)



## Typical Device Performance(25°C)

Parameter		Symbol	Typical Value	Unit
			R980±10-10WF-02HBCK-R	
Optical	CW Output Power	$P_{op}$	10	W
	Center Wavelength	$\lambda_c$	980±10	nm
	Spectral Width	$\Delta\lambda$	<6	nm
	Temperature drift of wavelength	$\Delta\lambda / \Delta T$	0.35	nm/°C
	Feedback Protection	FP	>40	dB
Electrical	Threshold Current	$I_{th}$	0.70	A
	Operating Current	$I_{op}$	12.5	A
	Operating Voltage	$V_{op}$	1.9	V
	Slope Efficiency	$\eta_{es}$	0.85	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	70	90	250(10Sec.)

## Package Dimensions (mm)

Pin	Function
1	Laser(+)
2	Laser(-)

