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635nm 30mW Laser Diode Module

R635±10-30mWF-03BCK-S



Feature

Output power: 30mW

Wavelength: 635±10nm

Fiber core: 4µm, 0.13NA

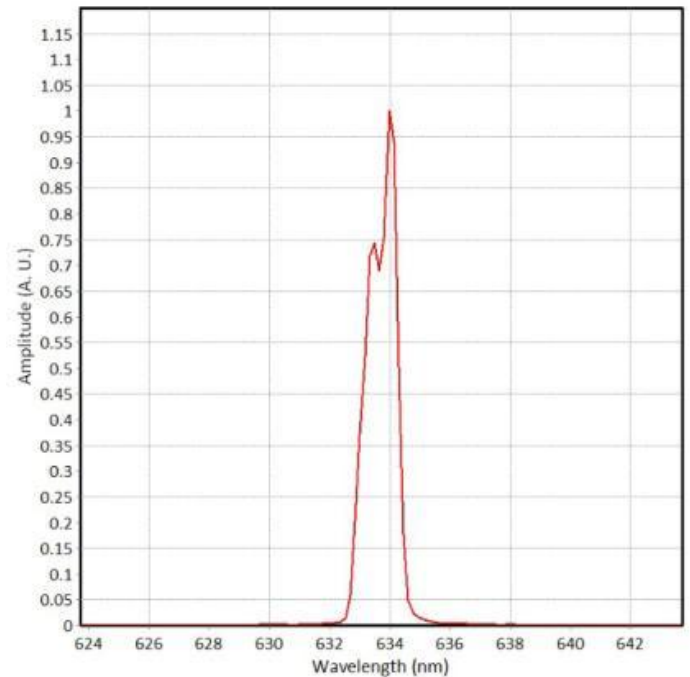
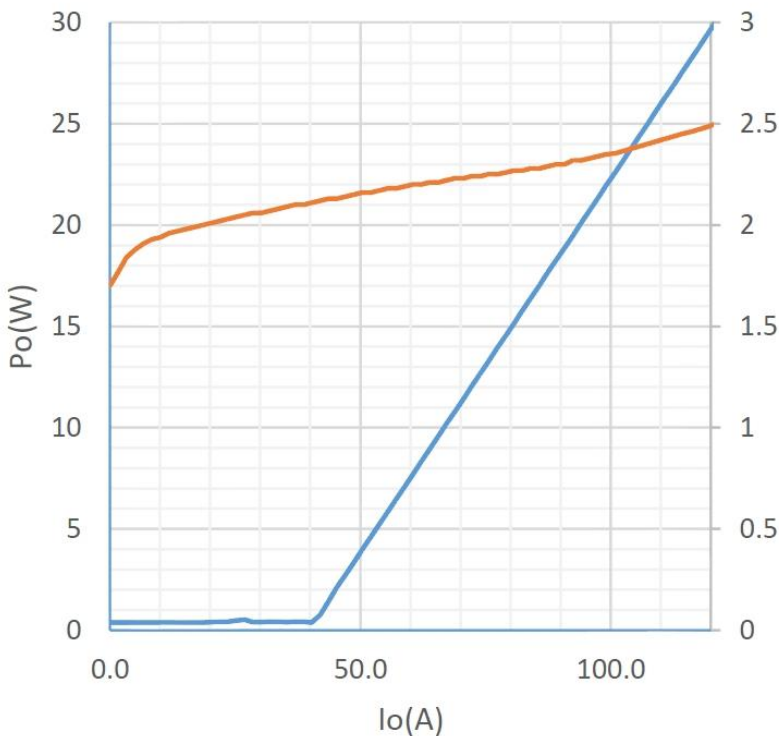
Application

Medical use

Pilot light

Holography

635nm 30mW Characteristics (20°C)



Typical Device Performance(25°C)

Parameter		Symbol	Typical Value	Unit
			R635±10-30mWF-03BCK-S	
Optical	CW Output Power	P_{op}	30	mW
	Center Wavelength	λ_c	635±10	nm
	Spectral Width	$\Delta\lambda$	≤3	nm
	Temperature drift of wavelength	$\Delta\lambda / \Delta T$	0.2	nm/°C
Electrical	Threshold Current	I_{th}	46	mA
	Operating Current	I_{op}	120	mA
	Operating Voltage	V_{op}	2.53	V
	Slope Efficiency	η_{es}	0.4	W/A
Fiber	Fiber Core Diameter	d_{core}	4	μm
	Fiber Clad Diameter	d_{clad}	125	μm
	Fiber Buffer Diameter	d_{buffer}	250	μm
	Numerical Aperture	NA	0.13	-
	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	Case
3	Laser(+)

