



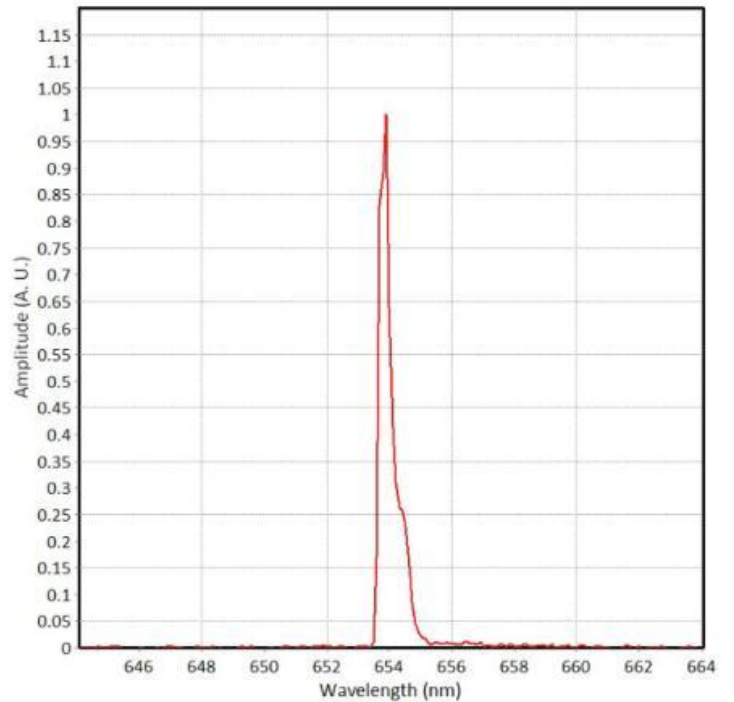
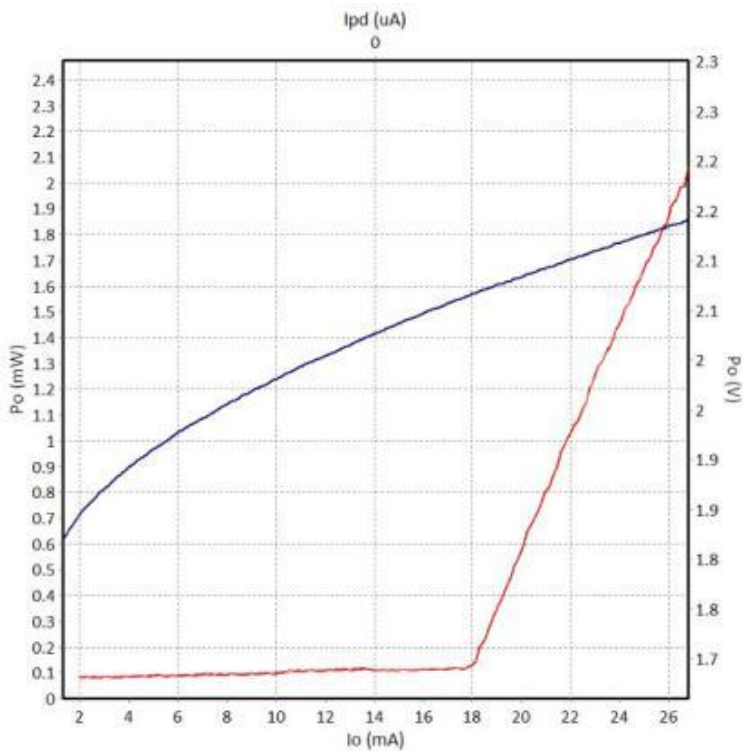
650nm 2mW Laser Diode Module

R650±10-2mWF-03BCK-S



Feature	
Output power:	2mW
Wavelength:	650±10nm
Fiber core:	4 μm, 0.13NA
Application	
Medical use	
Pilot light	
Holography	

650nm 2mW Characteristics (25°C)



Typical Device Performance(25°C)

Parameter	Symbol	Typical Value		Unit
		R650±10-2mWF-03BCK-S		
Optical	CW Output Power	Pop	2	mW
	Center Wavelength	λ_c	650±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}	19	mA
	Operating Current	I _{op}	26	mA
	Operating Voltage	V _{op}	2.3	V
	Slope Efficiency	η_{es}	0.3	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	Laser(+); PD (N)
3	PD (P)

