

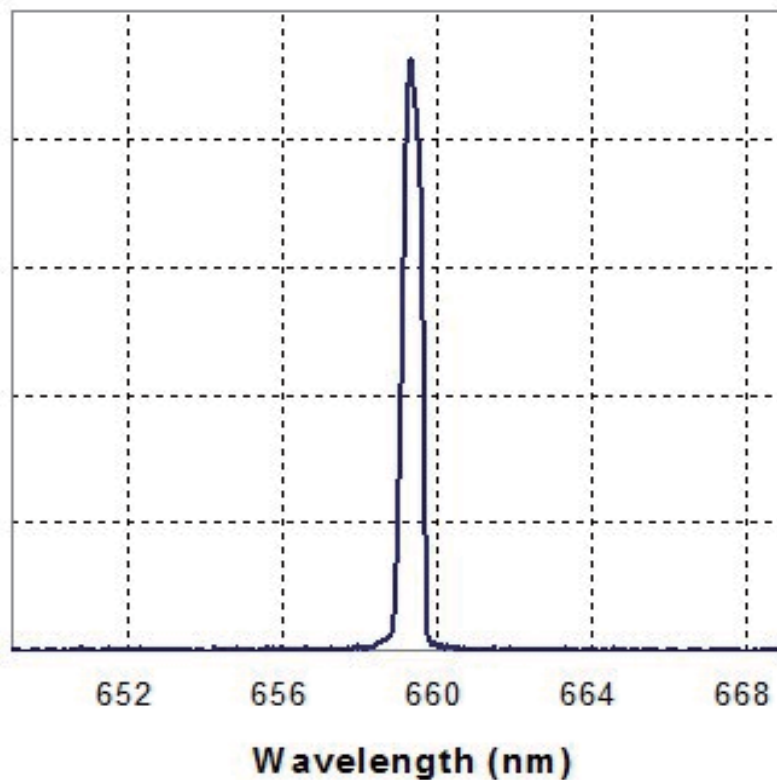
660nm 50mW Laser Diode Modules

G660-50mWF-03BCK-R



Features
Output power: 50mW
Wavelength: $660 \pm 5\text{nm}$
Fiber core diameter: $6 \mu\text{m}$ ($9 \mu\text{m}$ optional)
0.14NA
Fiber laser feedback protection
Applications
Pilot light

660nm Characteristics (25°C)



Typical Device Performance (25°C)

Parameter		Symbol	Typical	Unit
			G660-50mWF-03BCK-R	
Optical	CW Output Power	P_{op}	50	mW
	Center Wavelength	λ_c	660 ± 5	nm
	Spectral Width(90% of Power)	$\Delta \lambda$	<3	nm
	Wavelength Shift with Temperature	$\Delta \lambda / \Delta T$	0.2	nm/°C
	Feedback Protection (1030-1100nm)	FP	>40	dB
Electrical	Threshold Current	I_{th}	65	mA
	Operating Current	I_{op}	190-220	mA
	Operating Voltage	V_{op}	2.6	V
	Slope Efficiency	η_{es}	0.3	mW/mA
Fiber	Fiber Core Diameter	d_{core}	6 (9 μm optional)	μm
	Fiber Cladding Diameter	d_{clad}	125	μm
	Fiber Buffer Diameter	d_{buffer}	245	μm
	Numerical Aperture	NA	0.14	-

Other Parameters

Parameter	Operating Temperature /°C	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature, 10s max/ °C	MTBF/h
Min	10	-20	-	-	5000
Max	30	80	90	250	-

Package Dimensions (mm)

Pin	Function
1	Laser (+)
2	Laser (-)
3	-

