

660nm 5–50mW Laser Diode Modules

G660-5mWF-03BCK-S

G660-10mWF-03BCK-S

G660-30mWF-03BCK-S

G660-50mWF-06BCK-ST



Features

Output power: 5mW, 10mW, 30mW, 50mW

Wavelength: 660nm (635nm optional)

Fiber core diameter: 4 μ m single model

0.13NA

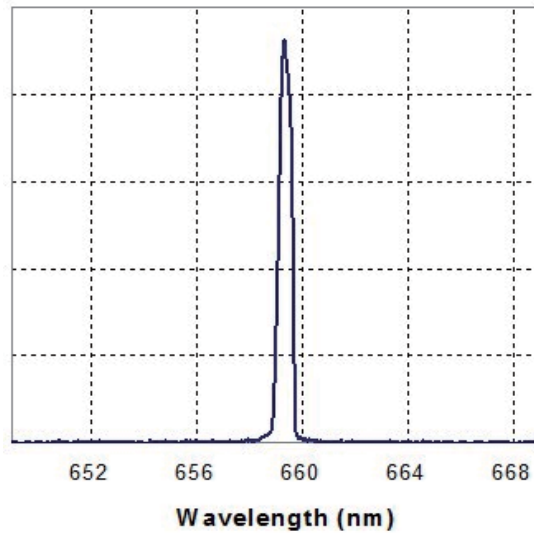
Applications

Pilot light

Medical use

Holography technology

660nm Characteristics (25°C, 50mW)



Typical Device Performance (25°C)

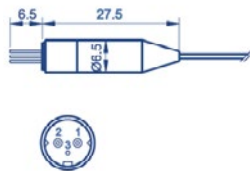
Parameter	Symbol	Typical Value				Unit	
		G660-5mWF -03BCK-S	G660-10mWF -03BCK-S	G660-30mWF -03BCK-S	G660-50mWF -06BCK-ST		
Optical	CW Output Power	P _{op}	5	10	30	50	mW
	Center Wavelength	λ _c	660±5				nm
	Spectral Width (90% of Power)	Δλ	<3				nm
	Wavelength Shift with Temperature	Δλ/ΔT	0.2				nm/°C
Electrical	Threshold Current	I _{th}	35	35	55	85	mA
	Operating Current	I _{op}	55	70	150	250	mA
	Operating Voltage	V _{op}	2.2-2.4				V
	TEC Max Current	I _t	-	-	-	1.8	A
	TEC Max Voltage	V _t	-	-	-	3.2	V
	Thermistor	R _t	-	-	-	10±5%/3477	(KΩ) / β (25°C)
	Slope Efficiency	η _{es}	0.3	0.3	0.3	0.3	mW/mA
Fiber	Core Diameter	d _{core}	4				μm
	Cladding Diameter	d _{clad}	125				μm
	Buffer Diameter	d _{buffer}	250				μm
	Numerical Aperture	NA	0.13				-
	Connector	L	FC, ST, SMA905				-

Other Parameters

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

Package Dimensions (mm)

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



Pin	Function
1	Thermistor
2	Laser (+)
3	TEC (+)
4	TEC (-)
5	Laser (-)
6	Thermistor

