

## 660nm 5-50mW Laser Diode Modules

G660-5mWF-03BCK-S

G660-10mWF-03BCK-S

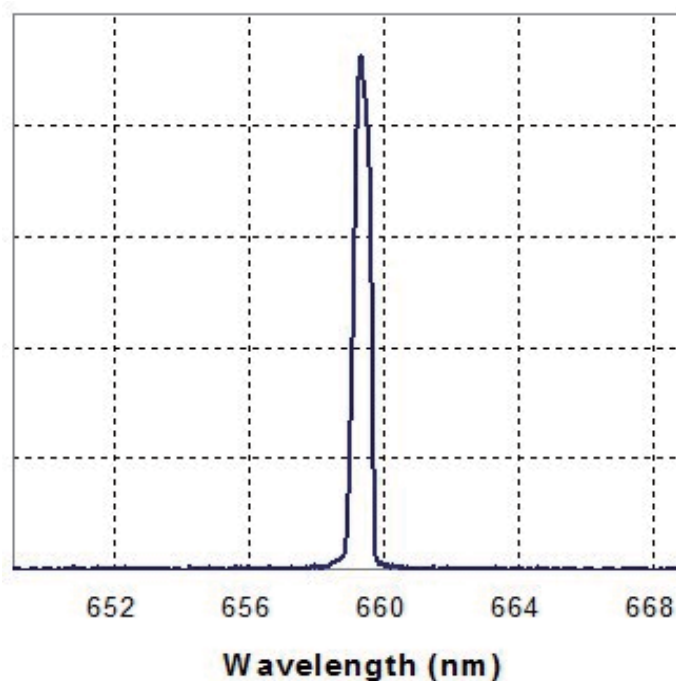
G660-30mWF-03BCK-S

G660-50mWF-06BCK-ST



Features
Output power: 5mW, 10mW, 30mW, 50mW
Wavelength: 660nm (635nm optional)
Fiber core diameter: 4 $\mu$ m single model
0.13NA
Applications
Pilot light
Medical use
Holography technology

### 660nm Characteristics (25°C, 50mW)



## Typical Device Performance (25°C)

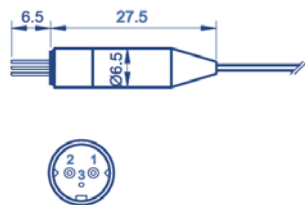
Parameter	Symbol	Typical Value				Unit	
		G660-5mWF -03BCK-S	G660-10mWF -03BCK-S	G660-30mWF -03BCK-S	G660-50mWF -06BCK-ST		
Optical	CW Output Power	Pop	5	10	30	50	mW
	Center Wavelength	$\lambda_c$	660 ± 5				nm
	Spectral Width (90% of Power)	$\Delta\lambda$	< 3				nm
	Wavelength Shift with Temperature	$\Delta\lambda/\Delta T$	0.2				nm/°C
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	(K $\Omega$ ) / $\beta$ (25°C)
	Slope Efficiency	$\eta_{es}$	0.3	0.3	0.3	0.3	mW/mA
Fiber	Core Diameter	$d_{core}$	4				$\mu m$
	Cladding Diameter	$d_{clad}$	125				$\mu m$
	Buffer Diameter	$d_{buffer}$	250				$\mu m$
	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

