

CPS408, collimated laser module

Description

5 mW red laser module with collimated 4mm beam, including laser driver.

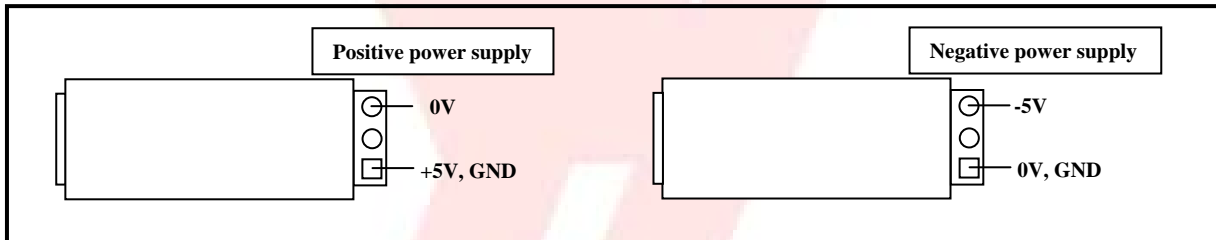
Optical parameters

		Min.	Typ.	Max.	Unit
Wavelength			635		nm
Optical output power			5		mW
Laser operation	continuous wave				
Spot shape	elliptical		3x4		mm
spot position	collimated				mm
Beam diameter at module			4		mm
Beam divergence			<0.5		mrad
pointing			<15		mrad

Electrical parameters

	case temp 25°C	Min.	Typ.	Max.	Unit
Operating Current			60	90	mA
Threshold current					mA
Operating Voltage		-4.5	-5	-5.5	V
Slope efficiency					W/A
Monitor current					mA
Monitor Reverse Voltage					V

Connection



Mechanical parameters

		Min.	Typ.	Max.	Unit
Module length		47	50	53	mm
Module width			10		mm
Material	anodized aluminum				
Wire length					mm

Limiting application values

		Min.	Typ.	Max.	Unit
Reverse Voltage Laser diode					V
Operating temperature		-10	-	50	°C
Storage temperature		-40	-	85	°C