

# 808nm 6V Laser Battery datasheet

P/N : WOPC-06A

## Features

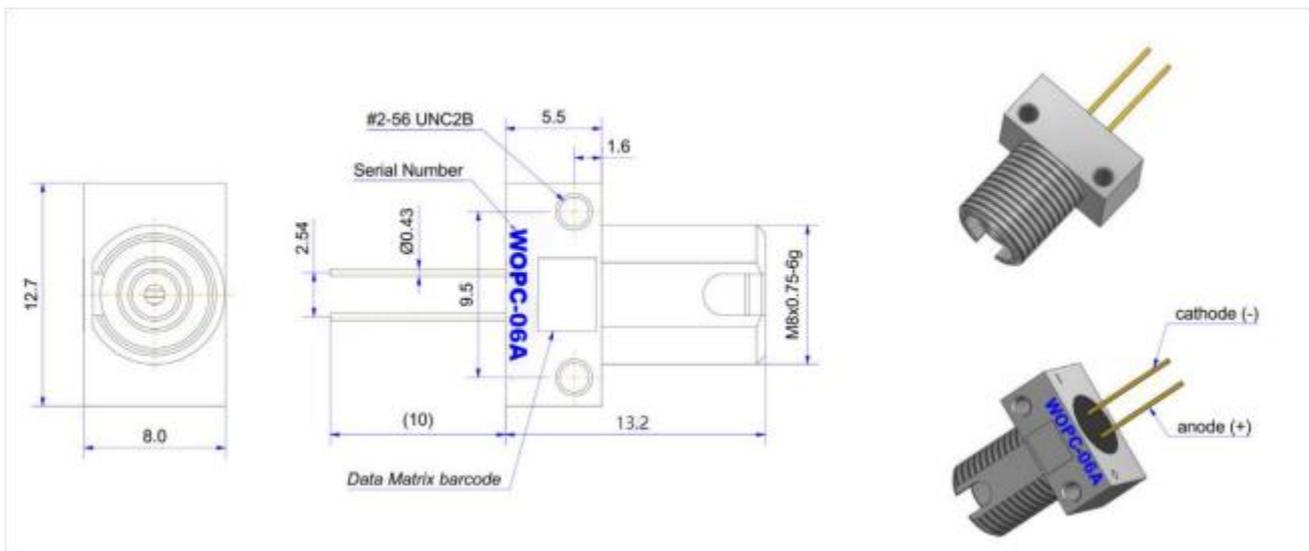
- Lead-free certified
- Fully isolated PoF solution , effectively converts optical into electrical
- Operating temperature range is -40°C to +85°C
- FC port for easy installation
- Suitable for 808nm light source
- Fully electrically isolated

## Application

The optical power converter can supply power to devices, such as:

- High-voltage current sensor,
- E-field and H-field probe station,
- MRI/RF imaging coil and patient monitoring equipment
- Power regulation circuit,
- Wireless transmitter.

## Mechanical Dimension



**ABSOLUTE MAXIMUM RATING:**

Parameter	Symbol	Min.	Typ.	Max.	Units
Storage Temperature	TS	-40		85	°C
Operating Case Temperature	TC	-40		85	°C
Relative Humidity	RH	5		85	%
Optical Input Power Range	P <sub>opt IN</sub>			2.22	W

**Electrical-Optical Characteristics( T=25°C ):**

Parameter	Symbol	Min.	Typ.	Max.	Units
Response Optical Spectrum Range B	$\lambda_{IN}$	800	808	850	nm
Maximum Electrical Output Power vs. Optical Input Power	P <sub>out</sub> at 2 W <sub>opt IN</sub>		1085		mW
Output Voltage at Different Laser optical power	V <sub>out</sub> at 0.5 W <sub>opt IN</sub>		6.7		V
	V <sub>out</sub> at 1 W <sub>opt IN</sub>		6.7		V
	V <sub>out</sub> at 1.5 W <sub>opt IN</sub>		6.7		V
	V <sub>out</sub> at 2 W <sub>opt IN</sub>		6.7		V
Output Current at Maximum Electrical Output Power	I <sub>out</sub> at 0.5 W <sub>opt IN</sub>		40		mA
	I <sub>out</sub> at 1 W <sub>opt IN</sub>		81		mA
	I <sub>out</sub> at 1.5 W <sub>opt IN</sub>		121		mA
	I <sub>out</sub> at 2 W <sub>opt IN</sub>		162		mA

\*The typical value is the average measured at a case temperature of 25°C.。