

ROF-PLS-08



850nm nanosecond pulse light source

Product description

ROF -PLS series 850nm nanosecond pulse light source uses a unique short pulse drive circuit to achieve the narrowest up to 3ns pulse output, while the use of high stability of the laser and the unique APC (automatic power control) and ATC (automatic temperature control) Circuit, so that the output power and wavelength has a high degree of stability, and real-time monitoring of light source temperature, power and other information. The series of pulsed light sources are mainly used in MOPA structure fiber laser seed source、 spectral analysis、 optical fiber sensing, passive device testing.

Features

- The narrowest pulse is up to 3ns
- Operating wavelength:850nm
- Pulse width is tunable
- Pulse repetition frequency is tunable
- Built-in electrical synchronous electrical interface
- Internal trigger and external trigger are optional
- Desktop and module package are optional
- Can be customized according to customer's requirements

Applications

- laser distance measurement
- Seed light source
- Optical fiber sending
- Passive device testing

Performance parameters

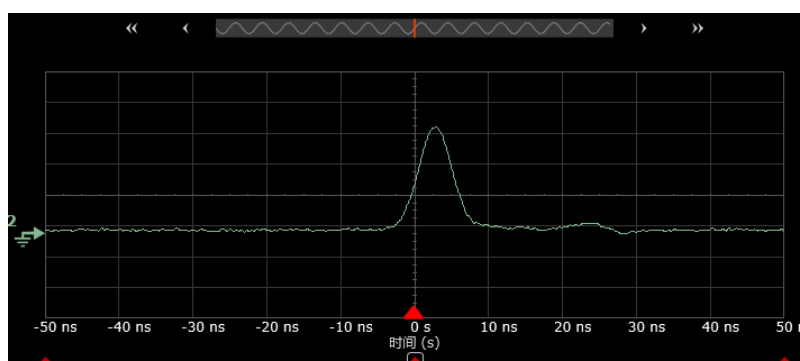
Optical Parameters				
Parameter index	Min	Typ	Max	Unit
Central wavelength	851	852	853	nm
Peak pulse optical power	50			mW
Spectral line width		1	2	nm
Pulse width	3		100	ns
Light pulse repetition frequency	1		1000	KHz

Optical power stability	<1	%
Wavelength stability	<0.01	nm
Pulse width adjustment accuracy	1	ns
Pulse width adjustment step size	5	ns
Re-adjust the step size	5	KHz
Output optical isolation	30	dB
Optical fiber connector	FC/PC、FC/APC or user specified	
Optical fiber type	HI 780 or62.5μm MMF	
Electric and mechanical parameters		
Parameter index	Module	Desktop
Power supply	+ 5 V	AC 220V@50Hz
Trigger mode	Internal and external trigger are optional	
External trigger signal	Peak5V electrical pulse	
Electrical synchronization signal	Peak5V electrical pulse	
Trigger and sync signal interface	SMA(f)	
Communication connector	RS232	
Dimensions	200x120x30	320x220x90

limit conditions

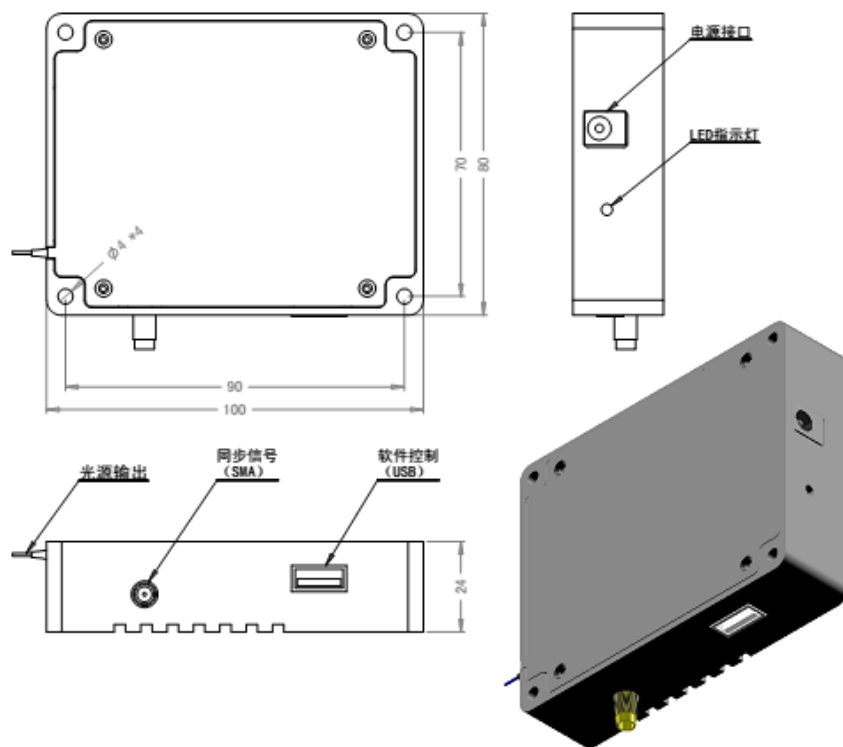
Parameter	Symbol	Unit	Min	Typ	Max
Operating temperature	Top	℃	0		50
Storage temperature	Tst	℃	-40		85
Humidity	RH	%	5		90

Typical pulse



(pulse width : 5ns, rise time : 3ns, fall time : 4ns, repetition frequency : 100KHz)

Dimensions



Ordering information

(unit : mm)

ROF	PLS	XX	X	XX	XX
	Pulse light source	Operating wavelength : 08---850nm 09---905nm 10---1064nm 13---1310nm 15---1550nm	Package form: D---desktop M---module	Narrowest pulse width 03---3ns 05---5ns 10---10ns	Optical connector : FP ---FC/PC FA--- FC/APC SP---user specified

*please contact our seller if you have special requirements

PS: thumbnails