

Parameter	Unit	Specifications		
		Min	Typ.	Max
Part No.		CKLS-1940-B		
Center wavelength	nm	1938	1940	1942
Output power ¹	W	0.5	-	20
Output power adjustment range	%	10	-	100
Spectral width (FWHM)	nm	1	-	3
Side Mode Suppression Ratio	dB	20	-	-
Beam quality	M ²	<1.5		
Operation Mode		CW		
Output polarization		Radom(PM optional)		
Stability of output power (15min) ³	%	-	±0.5	±1.0
Stability of output power (8h) ³	%	-	±1	±2
Output isolation (optional)	dB	35	-	-
Return Loss	dB	40	-	-
Operating temperature	°C	0	-	40
Storage temperature	°C	-20	-	70
Operating voltage	VAC	170	220	260
Output fiber type ⁴		25/250um NA=0.1		
Length of output fiber	m	> 1		
Output connector		FC/APC (endcap is optional)		
Dimension	mm	420(L)×485(W)×105(H)		

2.0 μ m single-mode CW fiber lasers



Techwin 2.0 μ m CW fiber lasers are eye-safe high power fiber lasers. These fiber lasers employ integrated design of all fiber structure and use double cladding fiber pumping technology, thus realizing high performance output laser. The output power can be up to 20W and near diffraction-limited beam quality is achieved at the same time. They can be widely used in the areas of scientific research, experimental teaching and device testing.

Techwin 2.0 μ m CW fiber lasers employ the control system based on microprocessor which has stable property, long lifetime and free maintenance. With a clear interface and easy control, the LCD on the front panel can give a real-time display of the operating state of the output power and temperature. The LCD can also offer warning messages. Besides, in order to be convenient for system integration, our company can offer modularized encapsulation according to the user`s requirements.

Application:

- Medical
- Plastic welding
- Fiber optical sensing
- Test and measurement
- Science research

Feature:

- High output power: up to 20W
- excellent beam quality
- high Stability and reliable performance
- All-fiber structure
- PM optional

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Specification introduction:

1. output power is optional, typical output power: 0.5W、1W、2W、5W、10W, 20W;
2. spectral width on request;
3. The output power stability is measured under 25°C, 30 minutes after warm-up;
4. PM fiber is optional.

Ordering information:

CKLS-1940-B-<PW>-

B: Benchtop

PW: Output power in W, 0.5-0.5W, 20-20W