

Parameter	Unit	Specifications		
		Min.	Typ.	Max.
Part No.		CKLS-1064-B		
Center wavelength	nm	1060	1064	1070
Output power ¹	W	1	-	20
Output power adjustment range	%	10		100
Spectral width (FWHM) ²	nm	-	-	1
Modulation frequency		Up to 50kHz		
Beam quality	M ²	<1.1		
Operation Mode		CW/Modulated		
Output polarization		Radom(PM optional)		
Stability of output power (15min)	%	-	±0.5	±1.0
Stability of output power (8h)	%	-	±1	±2
Output isolation	dB	35	-	-
Return Loss	dB	40	-	-
Operating temperature ³	°C	10	-	40
Storage temperature	°C	-20	-	70
Operating voltage	V _{AC}	170	220	260
Output fiber type ⁴		SM-GDF-10/125		
Length of output fiber	m	> 1		
Output mode		Collimating output (other options available)		
Dimension	mm	420(L)×485(W)×105(H)		
Output diameter	mm	5.0 +/- 0.5		
Full angle divergence	mrad			0.5

1.0 μ m, 20W Single Mode CW Fiber Laser



The model CKLS-1064 single mode CW fiber laser from Techwin is a 1.0 μ m, Yb-doped fiber laser system which combines an excellent beam profile with high CW output power capability. These fiber lasers are based on an all-fiber design structure and utilize double cladding fiber pumping technology. The output power is user adjustable up to 20 watts. The diffraction limited beam profile is achieved even at the maximum CW power level. These lasers are widely used in research and development applications as well as component testing.

The model CKLS-1064 CW fiber laser employs a microprocessor based control system which is designed to precisely control the pump laser stage and other components to deliver high stability, a long lifetime and maintenance free operation. The simple to operate front panel LCD offers the user real-time control of the CKLS-1064 . The user has immediate access to all of the control parameters, including the operating state of the laser, the output power, the temperature and any alarm or warning conditions.

Features:

- High output power: up to 20W
- Excellent beam quality
- High Stability and reliable performance
- Single-mode output, PM optional

Applications:

- Test and measurement
- Scientific research
- Spectroscopy

Beam delivery cable length	m	5		
Cooling		Air-cooled		
Control Interface		RS232		

1. Output power is optional, typical output power: 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.

Order information:

CKLS-1064-B-<PW>

B: Benchtop

PW: Output power in W, 5-5W, 10-10W