1532nm High Power CW Fiber Laser

Product Description:

Connet 1532nm high power CW fiber laser adopts all-fiber integrated design to achieve the high output power up to 30W with the narrow spectral width of <1nm and the near single-mode beam quality. Due to the applied microprocessor-based control systems, the 1532nm high power CW fiber lasers are stable and maintenance-free.

The benchtop system uses the LCD on the front panel to display the output power, the temperature and the other working status in real time. The LCD also can provide the alarm information in time. The interface is clear and easy to operate. For the convenience of system integration, the modular package is also available for option upon request.

Applications:

· LiDAR
· Remote sensing
· Test and measurement
· Pump source
· Other scientific research

Features:

· High output power
· Excellent beam quality
· High stability and reliable performance
· All-fiber structure
· Single-mode output, PM optional

Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VFLS-1532-B/M-HP		
Center wavelength	nm	-	1532	-
Output power[1]	W	-	30	-
Output power adjustable range	%	10	-	100
Spectral width[2] (FWHM)	nm	-	1	-
Side-mode Suppression Ratio (SMSR)	dB	35	-	-
Beam quality	M^2	-	-	1.3
Operation mode		CW		
Polarization		Random (Linear Polarization Optional)		
Output power stability (15mins)[3]	%	-	±0.5	±1.0
Output power stability (8hrs)[3]	%	-	±1	±2
Return Loss	dB	40	-	-
Operating temperature (Module)	℃	-30	-	70
Operating temperature (Benchtop)	℃	0	-	30
Storage temperature	℃	10	-	50
Operating voltage (Module)	V_{DC}	12	-	24
Operating voltage (Benchtop)	V_{AC}	100	-	240
Output fiber type[4]		LMA Fiber		
Output fiber length	m	>1		
Optical connector		FC/APC (other options available)		
Dimension	mm	320(L)×200(W)×120(H) (Module) 510(L)X480(W)X150(H) (Benchtop)		

Specifications:

· Output power is optional with the typical output power of 1W and 30W.

· Spectral width on request.

· The output power stability is measured under 25℃ after 30 minutes' warm-up.

· Polarization-maintaining fiber is optional.

Ordering Information:

· VFLS-1532-<P>-HP-<PW>-<SP>

· P: B-Benchtop, M-Module

· PW: Output power in W, 1-1W, 30-30W

· SP: Output isolation , 1-Yes, 0-None