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MaxMFSC 200W-300L Air Cooling Fiber Lasers

Fiber lasers have developed rapidly in recent years because of their excellent beam quality, ease of system integration, reliability and maintenance-free advantages. As the leading enterprise of fiber laser products in China, Maxphotonics?Laser is committed to providing high quality laser products for laser processing applications such as cutting, welding, marking and 3D printing. MFSC-200 air-cooled continuous fiber laser, its power can be? continuously adjustable, excellent beam quality, high power stability, electro-optical conversion efficiency, small size, reliability and maintenance-free,?it is the?ideal laser

Product features

- Adjustable power continuously, fast switching response
- High reliability, excellent beam quality
- High power stability
- High electro - optical conversion

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Product parameters

Optical Characteristic Parameters						
No.	Characteristics	Test conditions	Min.	Nom.	Max.	
1	Operation mode	CW/Modulated				
2	Polarization	Random				
3	Nominal Output power（MFSC-200 W）	100% CW	200			W
	Nominal Output power（MFSC-300L）	100% CW	250			W
4	Tuning range ofoutput power		10		100	%
5	Emission wavelength	100% CW	1070	1080	1090	nm
6	Spectrum width(3dB)	100% CW		3	4	nm
7	Short-term power instability	100% CW>1h		1	3	%
8	Long-term power instability	100% CW>24h		3	5	%
9	Beam quality M2	100% CW		1.1	1.2	
10	Laser switching ON time	10% → 90%Output		50	80	us

11	Laser switching OFF time	90% → 10%Output		30	50	us
12	Modulation rate	100% Output		20	50	KHz
13	Red guide laser power	100% Output	150			uw
14	Feeding fiber cable length			10		m
15	Feeding fiber core size	20（25、30、50 optional）				um
16	Feeding fiber cable bending radius		200			mm
17	Output form	Standard QCS/QBH（LOC）				
General Characteristic Parameters						
No.	Characteristics	Test conditions	Min.	Nom.	Max.	
1	Operating voltage		180	220	240	
2	Normal power consumption（MFSC -200W）	100%Output			1.2	
	Operating Environment humidity	100%Output			1.5	
3	Operating ambient temperature ran ge		0		35	
4	Operating ambient relative humidity		10		90	%
5	Cooling method	Air-cooling				
6	Storage tem.		-10		60	℃
7	Dimensions	482.6×595×177				mm
8	Weight				35	kg
For reference only. Other beam diameter avai lable by order。						

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Samples display

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