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Q-Switched Pulse Fiber Laser Specification

Type	Unit	MFP-10	MFP-10L	MFP-20	MFP-30	MFP-50
Central Wavelength	nm	1064±4	1064±4	1064±4	1064±4	1064±4
Polarization		Random	Random	Random	Random	Random
Average Output Power	W	10	10	20	30	50
Energy Per Pulse	mJ	0.5~0.6	0.5~0.6	0.8~1.0	0.8~1.0	0.8~1.0
Beam Quality	M ²	<1.4	<1.4	<1.8	<1.8	<2.0
Beam Diameter	mm	6~8	6~8	6~9	6~9	6~9
Power Stability(t>5h)	%	<5	<5	<5	<5	<5
Frequency Tunable Range	KHz	20~50/ 20--80 (Optional)	20~30	30~60/ 20--80 (Optional)	30~80	50~80
Pulse Width	ns	80~140	80~140	80~140	80~140	100~140
Power Tuable Range	%	5~100	5~100	5~100	5~100	5~100
Operation Voltage	VDC	24	24	24	24	24
Power Consumption	W (20°C)	120	120	170	190	200
ISO		Standard	Standard	Standard	Standard	Standard
ISO Dimension Weight	mm/kg	W42.4*H42.4*L239 1.25kg	W42.4*H42.4*L239 1.25kg	W42.4*H42.4*L287 1.5kg	W46*H46*L310 1.65kg	W46*H46*L310 1.65kg
Laser Dimension Weight	mm/kg	W219*H94.6*L287 &5.6kg	W219*H94.6*L287 &5.6kg	W219*H94.6*L287 &5.6kg	W260*H122*L347 /W275*H120*L347 &10kg	W260*H122*L347 /W275*H120*L347 &10kg
Fiber Length	m	1.9/2.5/3	1.9/2.5/3	1.9/2.5/3	1.9/2.5/3	1.9/2.5/3
Cooling		Forced air	Forced air	Forced air	Forced air	Forced air
Operate Temperature		0~40°C	0~40°C	0~40°C	0~40°C	0~40°C
Operating Humidity		10~95	10~95	10~95	10~95	10~95
Stockpile Temperature		-10~60°C	-10~60°C	-10~60°C	-10~60°C	-10~60°C

Application: Marking on metal, part of the non-metallic plating materials, plastic rubber, industrial-used plastics, ceramics and other marking; Deep carved; Fine processing; Special material processing

