



30W – 50W JPT MOPA LP-E FIBER LASER MARKING MACHINE



Technical Specifications

	Unit	Parameter	
Product Model		YDFLP-E-30-LP-S	YDFLP-E-50-LP-L-R
Beam Quality Factor	M ²	< 1.5	< 1.8
Cable Length	m	2	3
Nominal Power	W	> 30	> 50
Max Pulse Energy	mJ	0.8	1.25
Repetition Rate	kHz	1 ~ 600	
Pulse Duration	ns	200	
Power Stability	%	< 5	
Cooling Method		Air Cooled	
Supply DC Voltage	VDC	24	
Current Consumption	A	< 7	< 10
Environmental Supply Current	A	> 7	> 10
Power@20°C	W	< 150	< 220
Emission Wavelength	nm	1064	
Emission Bandwidth@3dB	nm	< 15	
Polarization		Random	
Output Beam Diameter	mm	7±0.5	
Power Tunability	%	0 - 100	
Operation Temperature	°C	0 - 40	
Storage Temperature	°C	-10 - 60	
Weight	KG	4.25	8.2
Size(LxWxH)	mm	245 × 200 × 65	325 × 260 × 75

High-Speed Galvanometer with Silicone Mirrors

Manufacturer	ZBTK Tech Co.
Model	ZB2D10C1064R-X1
Reflection Wavelength	1064 nm
Input Aperture	10 mm
Typical Scan Angle	0.35 rad
Non-Linearity	<0.5 mrad
Tracking Error	0.15 ms
Repeatability	<15 urad
Gain Drift	<50 ppm/k
Offset Drift	<50 urad/k
Long-Term Drift >8 h	<0.2 mrad
Marking Speed	2 m/s
Positioning Speed	10 m/s
Digital Interface	XY2-100
Power Requirements	15VDC 5A
Outline Dimensions	114x96x94 mm
Weight	1510 g
Operation Temperature	10°C - 50°C

Models

Fiber Laser	30W JPT LP-E	30W JPT LP-E	50W JPT LP-E	50W JPT LP-E
Z-Axis	Manual	Motorized	Manual	Motorized
Model	FLM30JPT	FLMZ30JPT	FLM50JPT	FLMZ50JPT
Barcode				
UPC	643459671072	643459671089	643459671102	643459671119