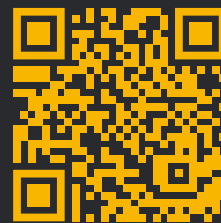


50W Fiber Laser Marking Machine JPT MOPA LP-E



Laser Source: Technical Parameters



YDFLP-E-50-LP-L-R	Unit	Parameter
Beam Quality Factor	M	< 1.8
Cable Length	m	3
Nominal Power	W	> 50
Max Pulse Energy	mJ	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	< 10
Environmental Supply Current	A	> 10
Power@20°C	W	< 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	8.2
Size (L×W×H)	mm	325 × 260 × 75



Galvanometer: Technical Parameters



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	50W JPT LP-E		Fiber Laser	50W JPT LP-E	
Z-Axis	Manual		Z-Axis	Motorized	
Model	FLM50JPT		Model	FLMZ50JPT	
UPC	643459671102		UPC	643459671119	