

# 200W Fiber Laser Marking Machine JPT MOPA M7

## Laser Source: Technical Parameters



YDFLP-200-M7-L1-R	Unit	Parameter
Beam Quality Factor	M	<1.6
Armored Cable Length	m	5
Nominal Average Output Power	W	> 200
Max Pulse Energy	mJ	1.5
Pulse Repetition Rate Range	kHz	1 - 4000
Pulse Duration	ns	2 - 500
Power Stability	%	< 5
Cooling Method		Air Cooled
Supply DC Voltage	VDC	48
Current Consumption	A	< 9
Environmental Supply Current	A	> 16
Power@20°C	W	< 450
Emission Wavelength	nm	1064
Emission Bandwidth@3dB	nm	< 20
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	24.8
Size (L×W×H)	mm	430 × 351 × 133



## 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

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SKU	FLM200JPTM7	
UPC	673324402425	