LASERSONLY

5W UV Laser Marking Machine

Galvanometer: Technical Parameters

SINO-GALVO 金海创

Model	SINO-GALVO RC1001
Manufacturer	Sino-Galvo Technology Ltd.
Digital Signal Interface	XY2-100
Input Voltage	±15V DC
Average Current	2A
Peak Current	15A
Position Signal Impedance	10kΩ (±1%)
Position Signal Input Scaling Factor	0.33 V/deg
Marking Speed	4000 mm/s
Positioning Speed	6000 mm/s
Max Setting Time	0.4 msec
Max Linearity	99.9%
Max Repositioning Drift	8 µrad
Max Long-Term Drift	0.5 µrad
Max Gain Error	8 µrad
Max Scale Drift	22 ppm/°F (40 ppm/°C)
Max Zero Drift	8 µrad/°F (15 µrad/°C)
Max Tracking Error	180 µsec
Lens Damage Threshold K9 Glass	9.1 J/cm2
Central Distance between Mirrors	13.5 mm
Silicone Film	10 J/cm2
Operating Temperature	32–113°F (0–45°C)
Storage Temperature	14–140°F (-10–60°C)
Laser Input Aperture	10mm
Scan Angle	± 15 °
Dimensions	100 x 95 x 120 mm
Compatible Lens Size	M85
Weight	850g

Laser Source: Technical Parameters

JPT

Lark-355-5A	Unit	Parameter
Wavelength	nm	355
Pulse Repetition Rate Range	kHz	20 - 200
Pulse Duration	kHZ	< 18ns@40
Average Power	kHZ	> 5W@40
Average Power Stability	rms	<±5% over 24h
Pulse-to-Pulse Stability	rms	<±3% over 50kHZ
Spatial Mode		TEM00
Beam Divergence Full Angle	µrad	< 2
Beam Diameter	mm	0.5±0.15
Beam Circularity	%	>90
Beam Pointing Stability	urad	<50
Polarization Direction		Horizontal
Polarization Ratio		100:1
Cooling		Air-cooling

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SKU	5W-UV-LASER
UPC	673324402371

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