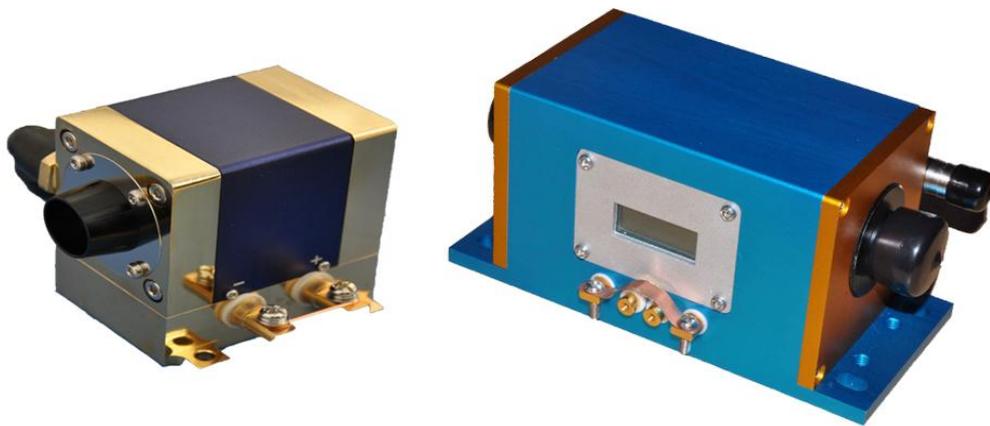


100W DPL Module

Item Introduction

DPL is abbreviated to Diode Pump Solid State Laser, in which laser diode is adopted as the pumping optical source. As compared with former Xenon lamp pumping laser diode, its features are construction more compact, more applicable and longer lifespan, which is widely used in laser marking, medical, cutting and laser texturing.

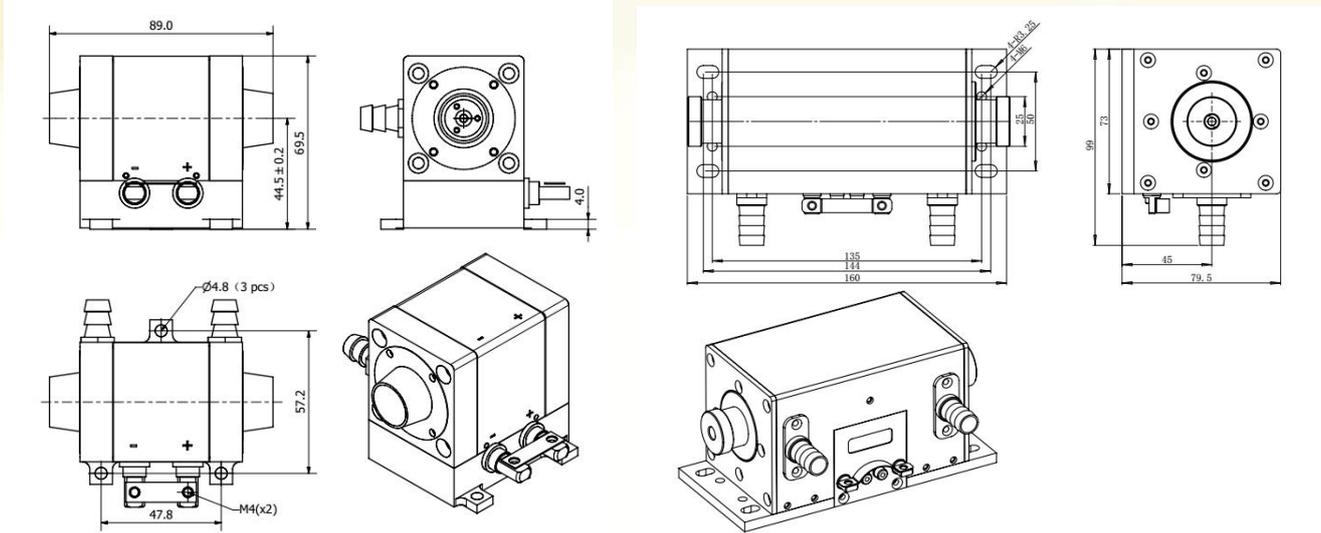


Parameters (20°C)

100W DPL Module				
Parameters		Unit	100W(unified beam)	100W(high beam)
Optical Parameter	CW Output power	W	≥ 100	≥ 100
	Center Wavelength	nm	1064	1064
	Emitting height	mm	45	45
Electrical Parameter	Threshold Current I_{th}	A	≤ 10	≤ 8
	Operating Current I_o	A	≤ 30	≤ 20
	Forward Bias Voltage	V	≤ 24	≤ 50
Optical Parameter	Operating Temperature	°C	21±3	21±3
	Storage Temperature	°C	5 ~ 50	5 ~ 50
	Water Current	LMP	4 ~ 6	4 ~ 6
	Water Pressure	MPa	≤ 0.3	≤ 0.3
Others	Crystal Rod Size	mm	Φ3*65	Φ4*110
	Weight	KG	≤ 1.5	≤ 3.0

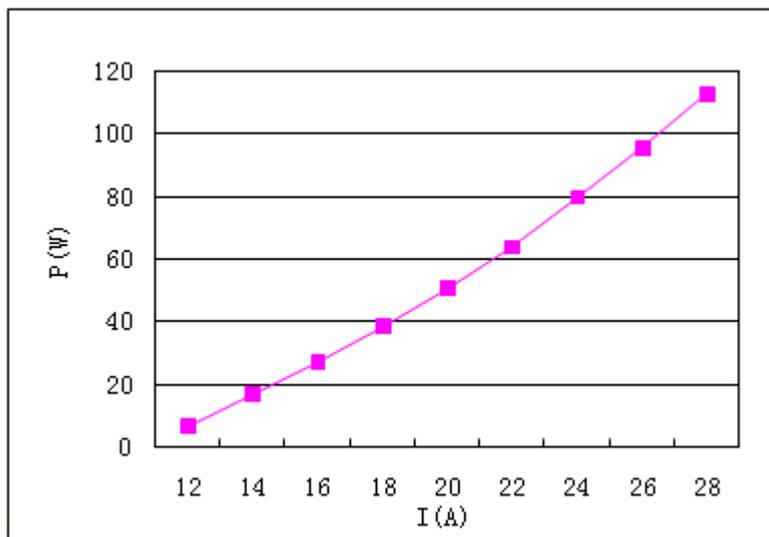


Package Information



Function Curve

Curve data is basis on following testing: Cavity length is 450nm, output mirror transmission is 20%, operating temperature is 20°C.

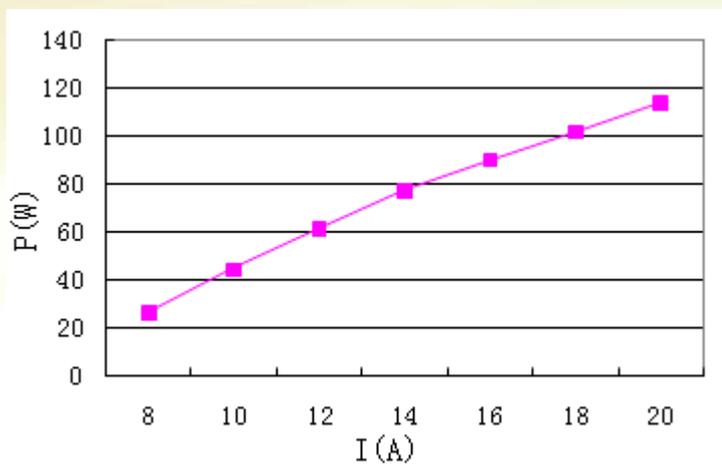


100W(unified beam)





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Notice

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