

High Power Diode Laser Driver Specifications		
Parameter	typical	units
Input		
power supply	12	VDC
Current supply	100	mA
Power laser	5	VDC
Power Laser Current	20	A
TEC Power Supply	24 V DC	VDC
TEC Power Supply current	5 A	A
Output		
Laser Driving Current	0~20	A
Setpoint Resolution	0.01	A
Adjustment Range	0~20	A
Pulsewidth	10	us
Duty Cycle	50%	
Modulation Bandwidth	500.00	KHz
Rise time	0.500 ~ 1	us
Ripple	0 ~ 1%	A(rms)
Noise	0.8 ~ 2%	%
Operating Temperature	-15 to 50	°C
Storage Temperature	-20 to 75	°C
Power Dissipation P= (DutyCycle) x (LaserSupply -LaserDrop) x (PeakCurrent)	150	W
Protection:	Over Current, slow start ,constant shot circuit in diode laser loop on power off status	
communication port	RS232	
laser emergency control	inter lock pin	
Weight:	0.7 kg	

Dimensions:	160.00 (L)x 140 (W) X 40 (H)	mm
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