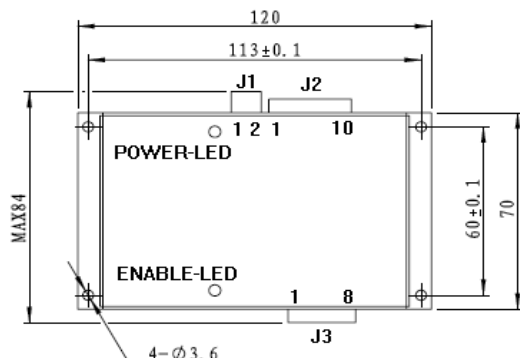




OLD-M-1600-TPM-D1

Model Number	OLD-M-1600-TPM-D1			
Laser Diode Driver Parameters	Specs			Conditions
	Min	Typ	Max	
Driver Current	0	-	1600mA	
Driver Current Limit	50mA	-	1600 mW	
Max. Driver Voltage	-	-	3.0V	
TTL Modulation	-	DC-10kHz	-	
Temperature Control Parameters				
Max. Driver Current	-	-	4A	
Max. Driver Voltage	-	-	4.2V	
Temperature Sensor	-	10Kohm NTC Thermistor	-	
Mechanical Parameters				
Laser Head Dimensions	Length	-	120mm	-
	Width	-	70mm	-
	Height	-	34mm	-
Weight	-	360g	-	
Reliability				
Operating Humidity	-	5%~85% R.H.	-	
Operating Temperature	-	-10 to +60 °C	-	
Operating Voltage	-	5V	-	
Max Power	-	-	25W	

Dimensions and Pin Configuration (Unit: mm)



1、DC Input Connector:

Connector J1, DC Input

Pin	Description
1	DC Input,+5 V
2	Ground

2、Laser Interconnect Connector:

Connector J2, Laser Interconnect

Pin	Description	Pin	Description
1	TEC+	6	Laser Diode [Cathode]
2	TEC+	7	Photodiode [Anode]
3	TEC-	8	Photodiode [Cathode]
4	TEC-	9	Thermistor+
5	Laser Diode [Anode]	10	Thermistor-

3、External Interface Connector:

Connector J3, External Interface

Pin	Description	Pin	Description
1	DC Output, -3.3 V, 100 mA	5	Modulation
2	DC Output, +3.3 V, 100 mA	6	Monitor, Power (VPHOTO_MON)
3	Ground	7	Enable
4	Monitor, Temperature (VGDL_TEMP)	8	Monitor, Laser current (VCUR_MON)